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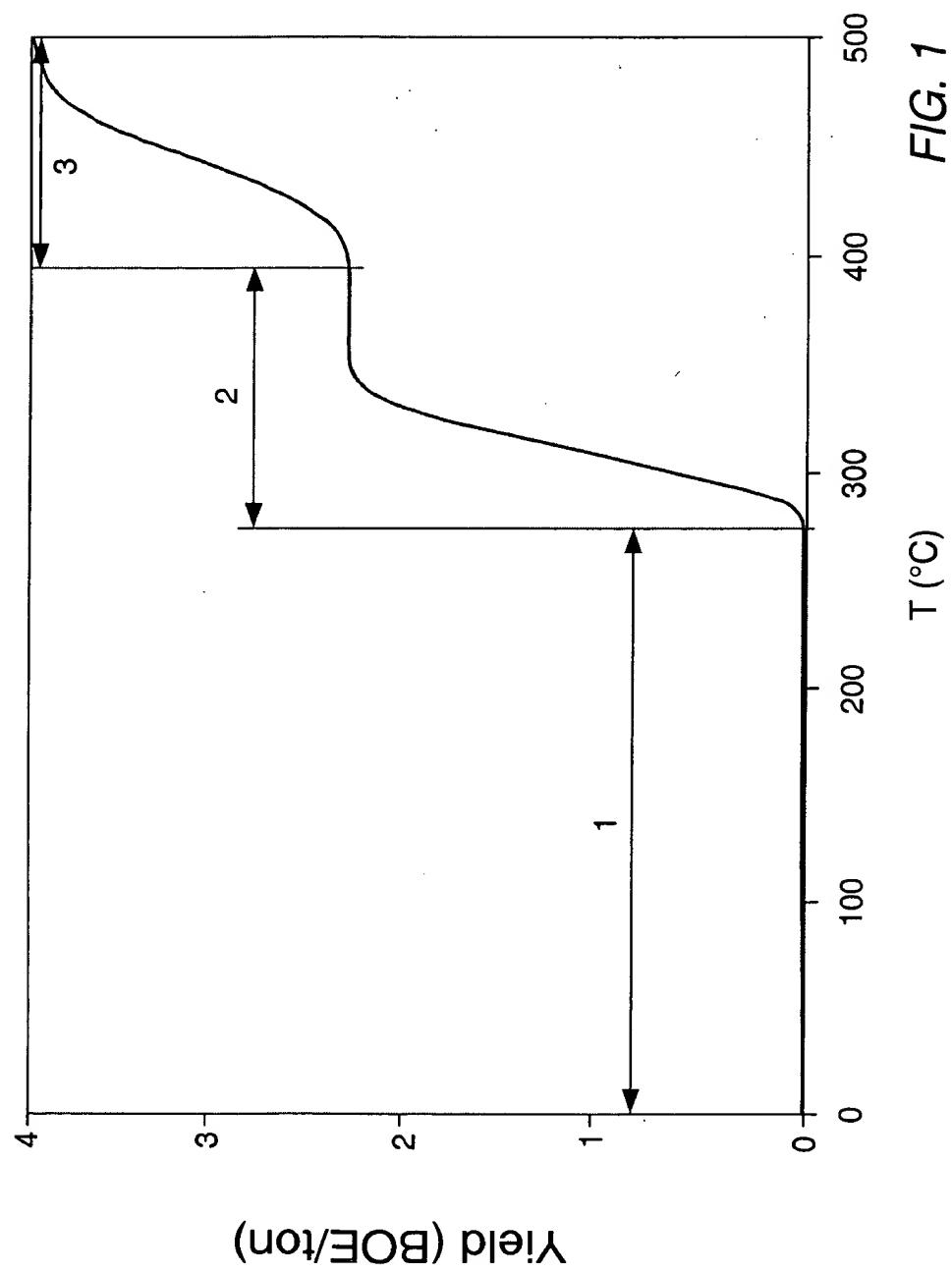
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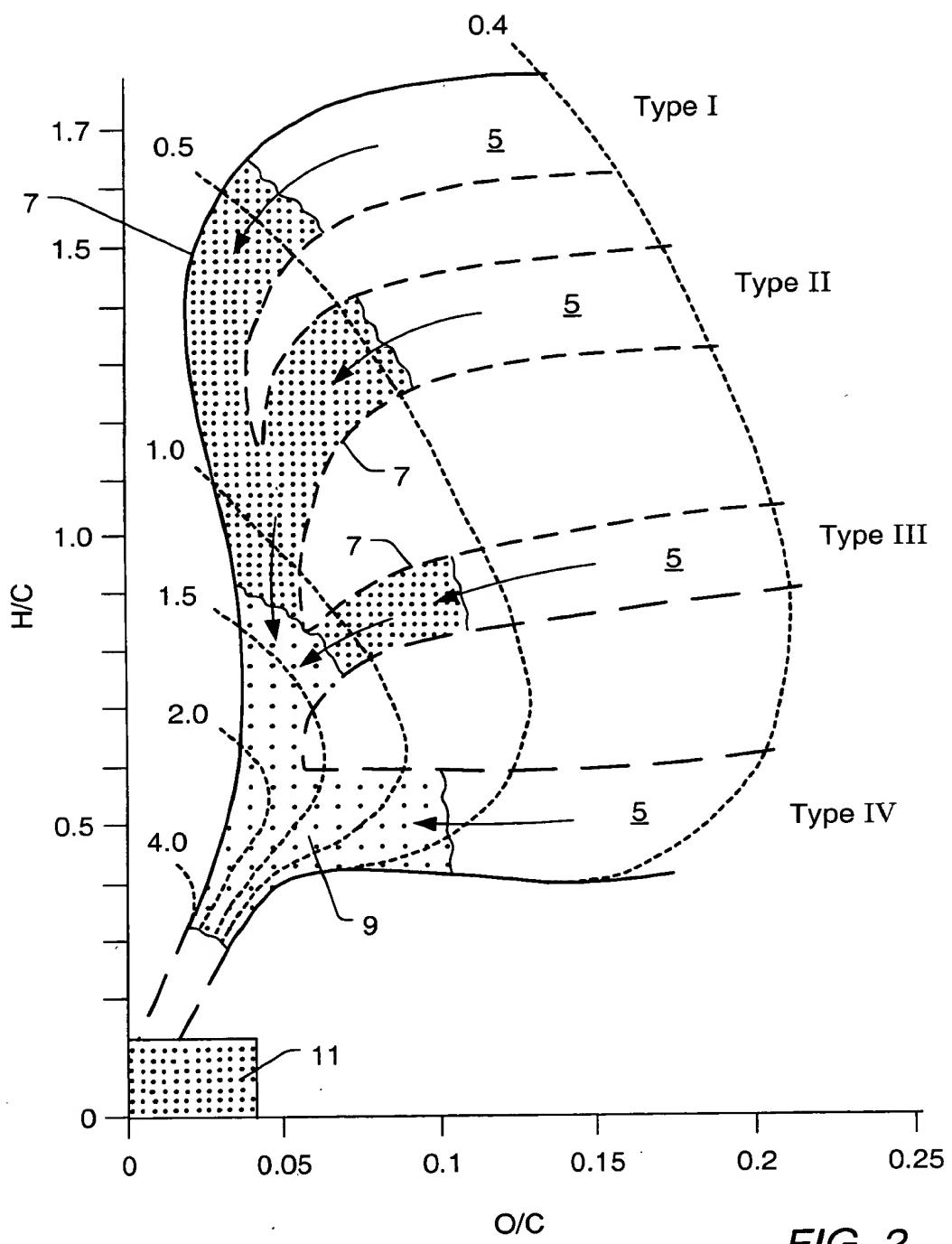
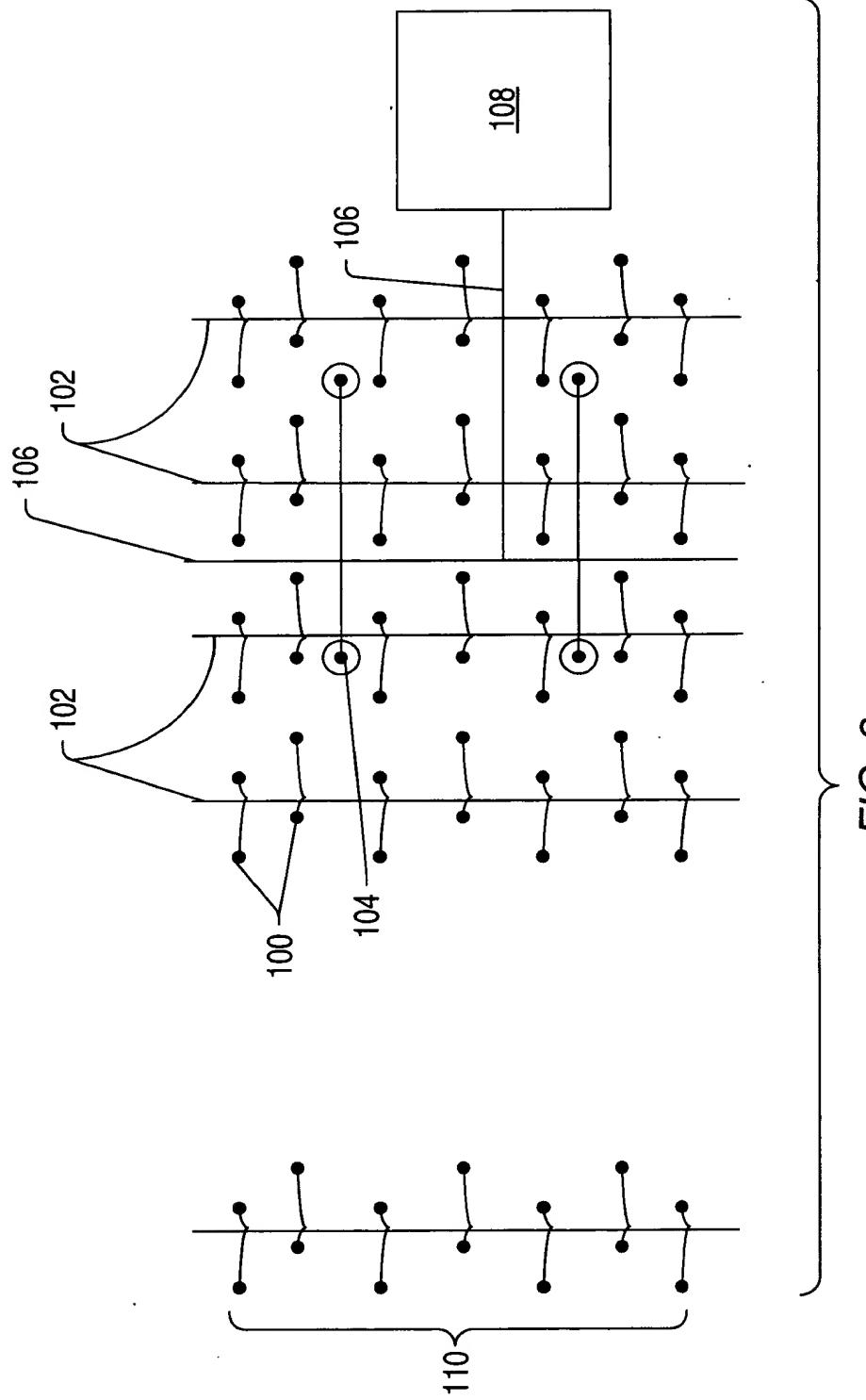


FIG. 2



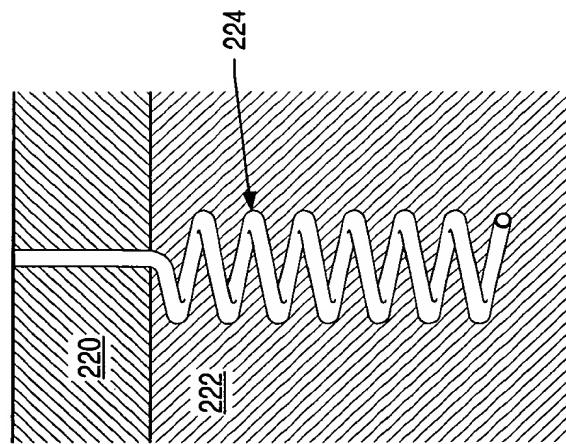
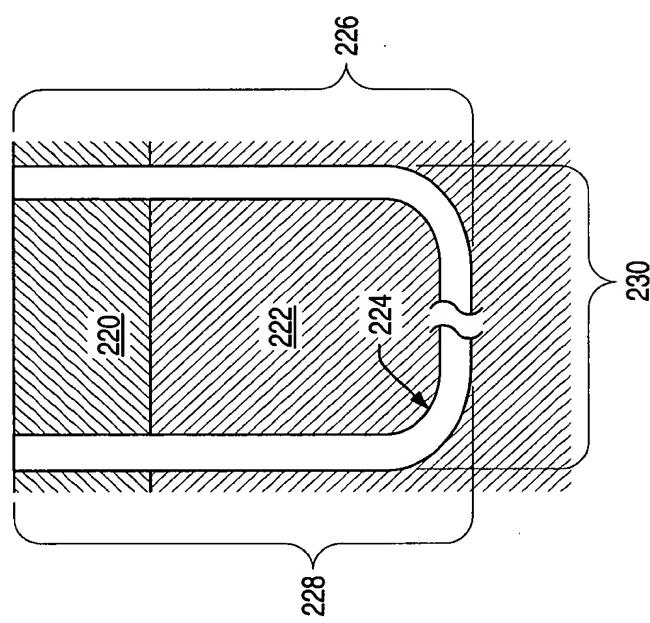
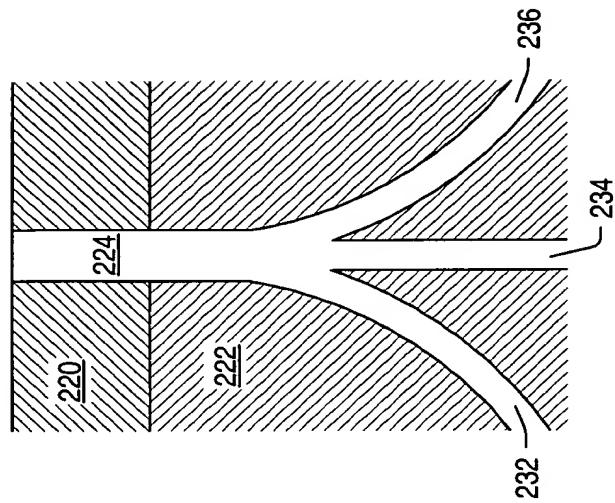


FIG. 4

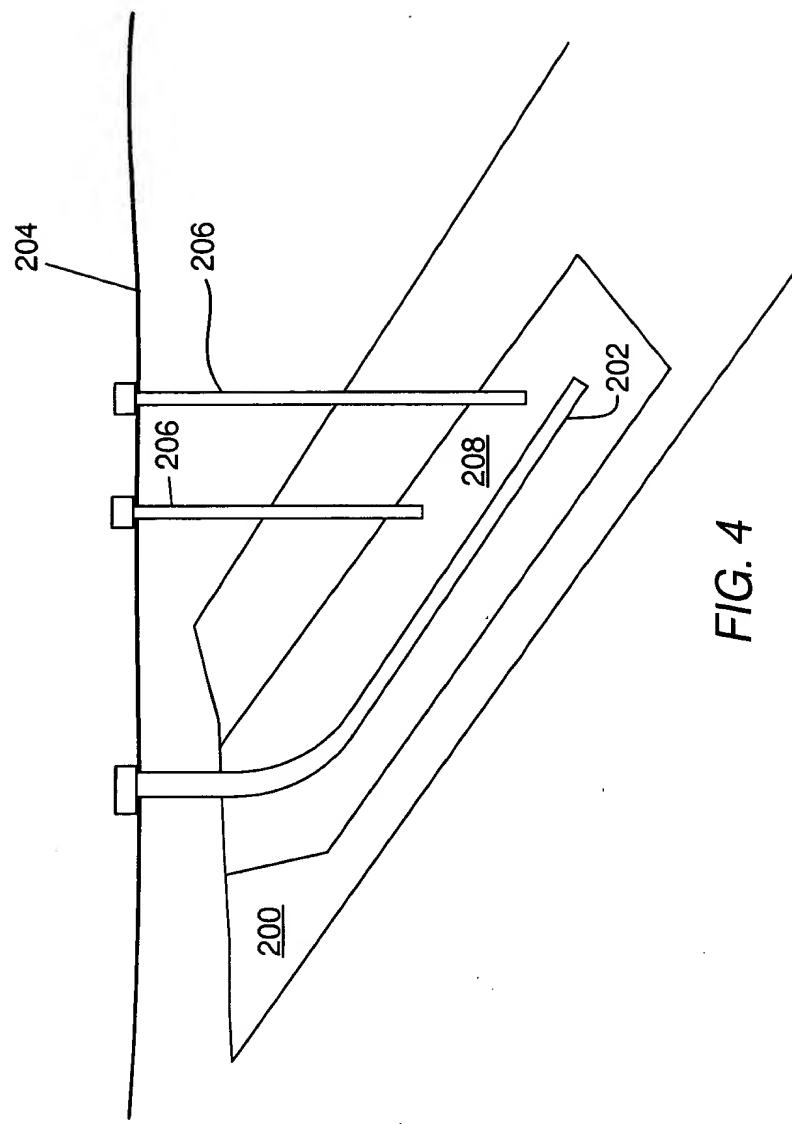
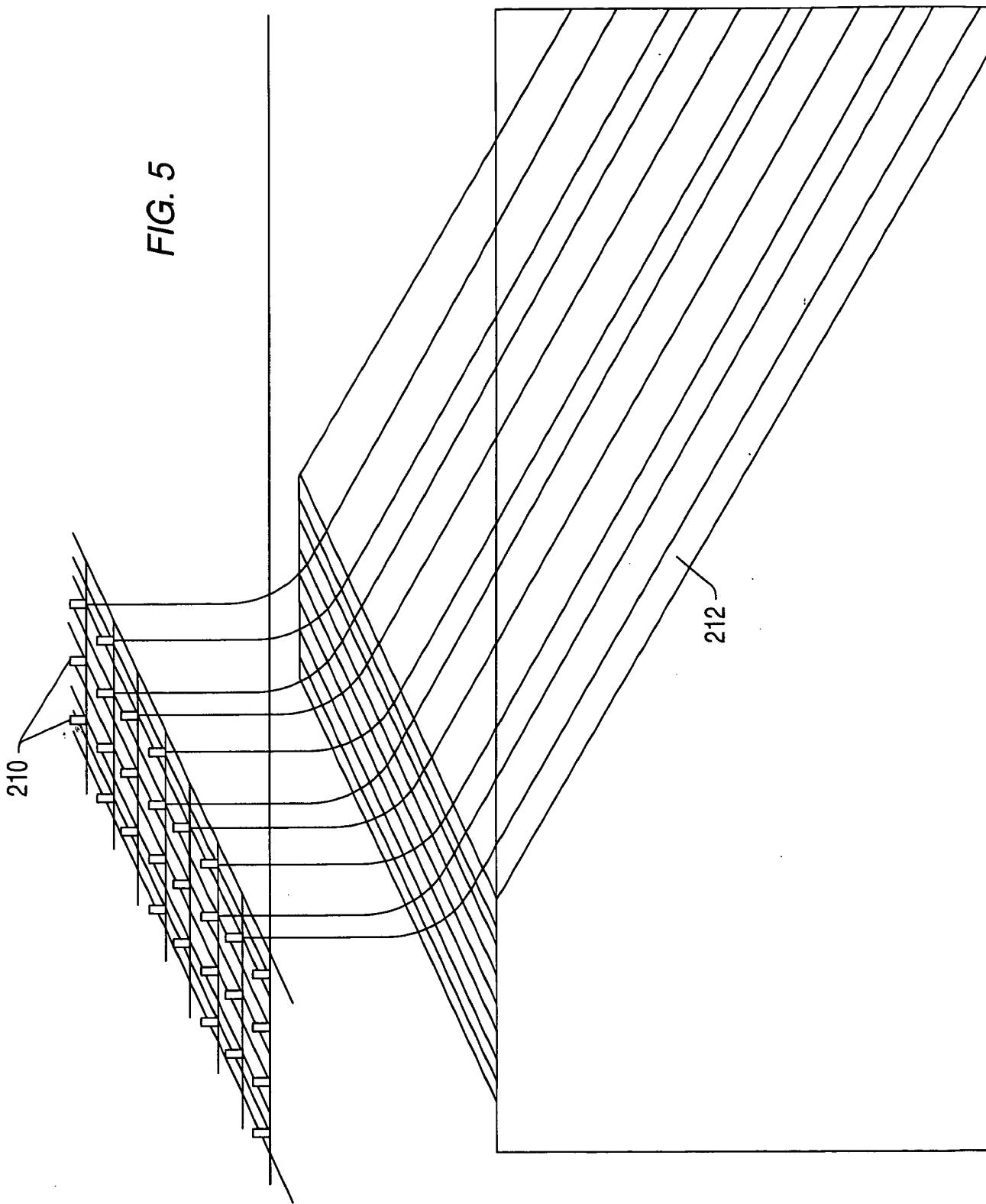


FIG. 5



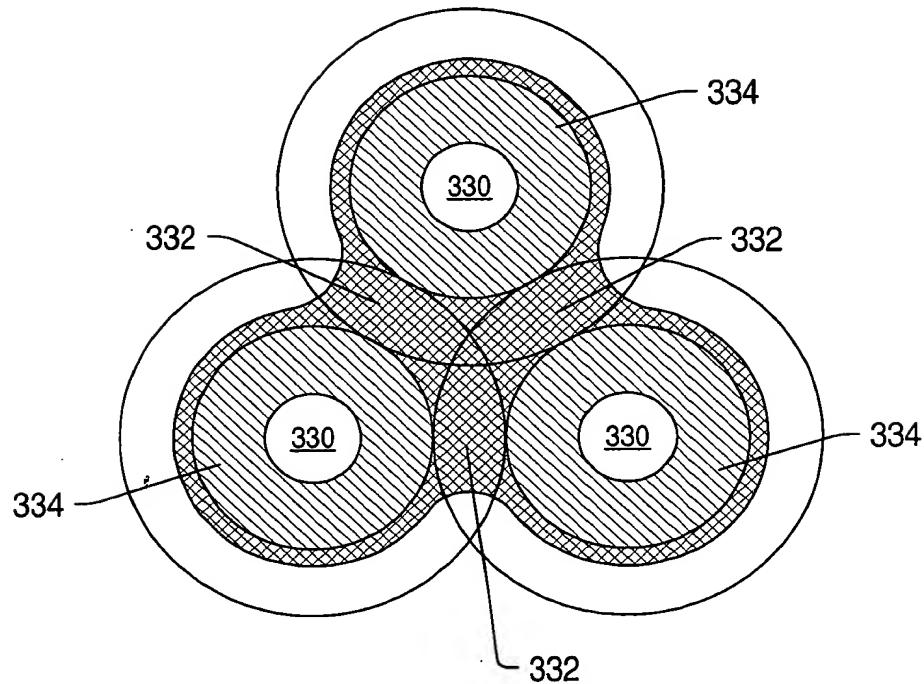
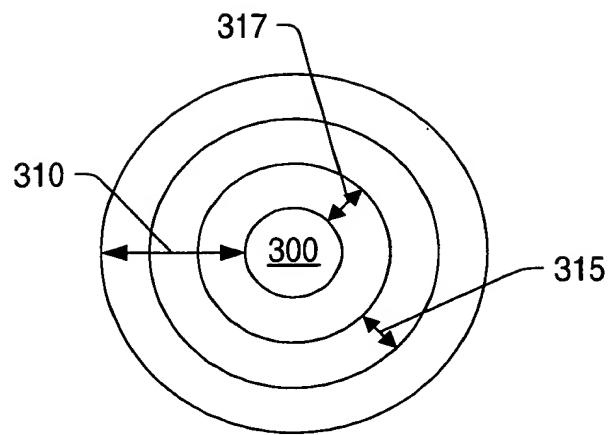


FIG. 7

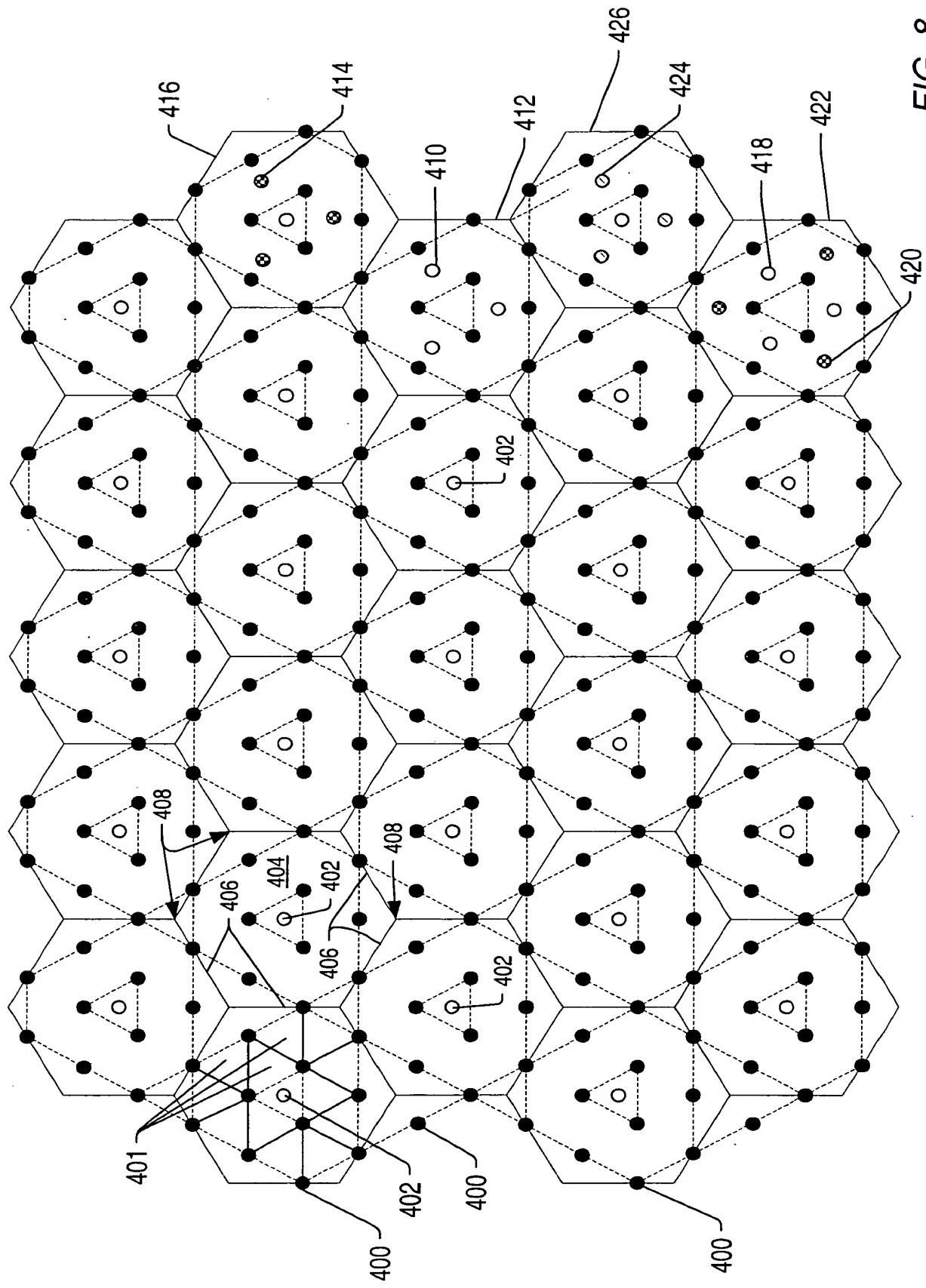
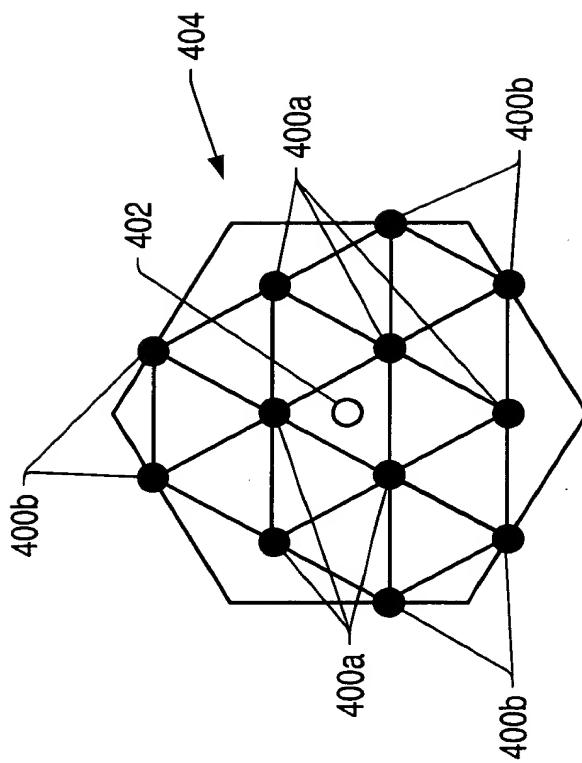


FIG. 8

FIG. 9



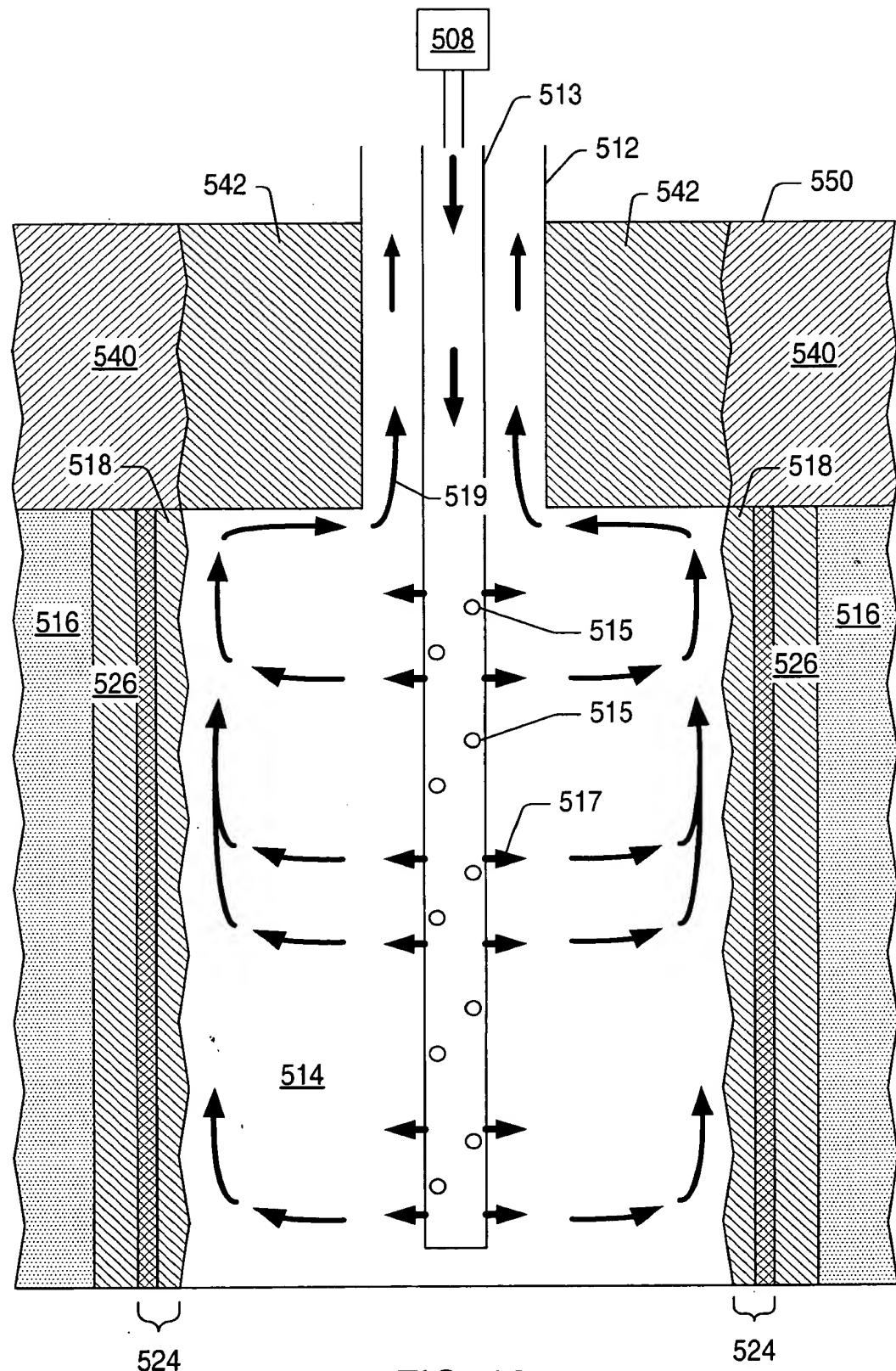


FIG. 10

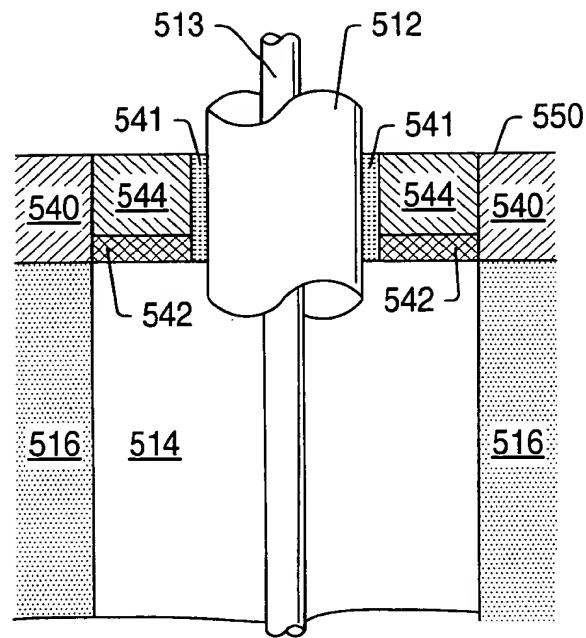


FIG. 11

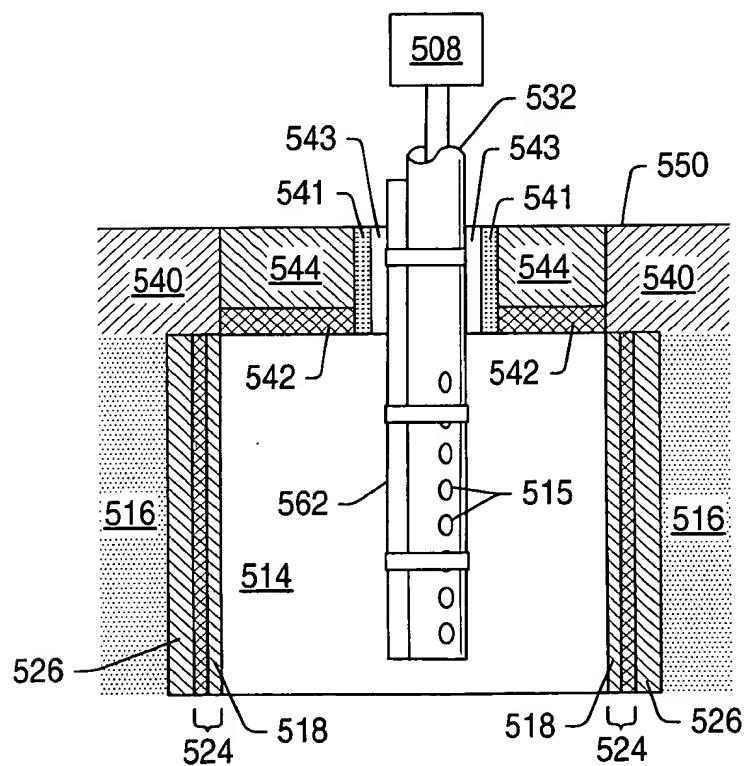


FIG. 12

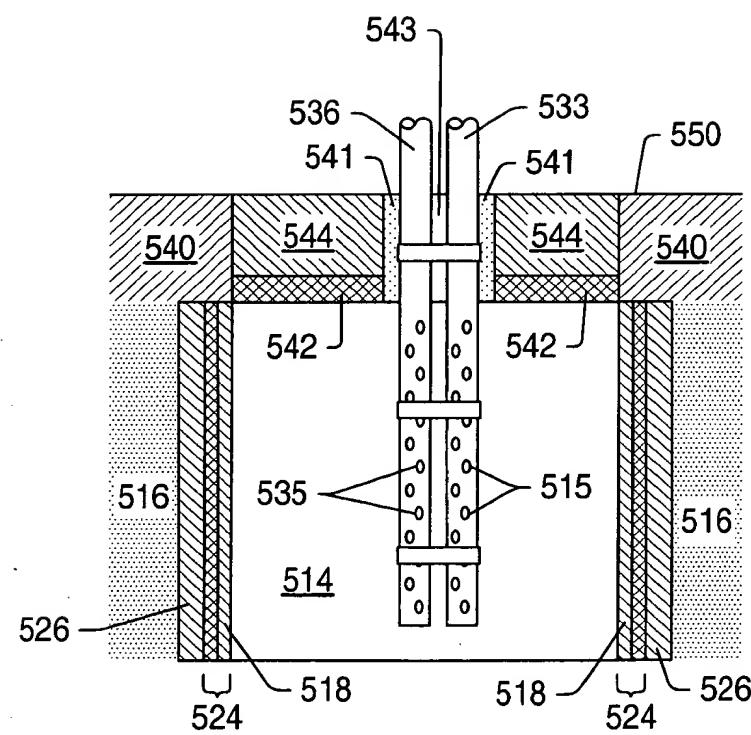


Fig. 13

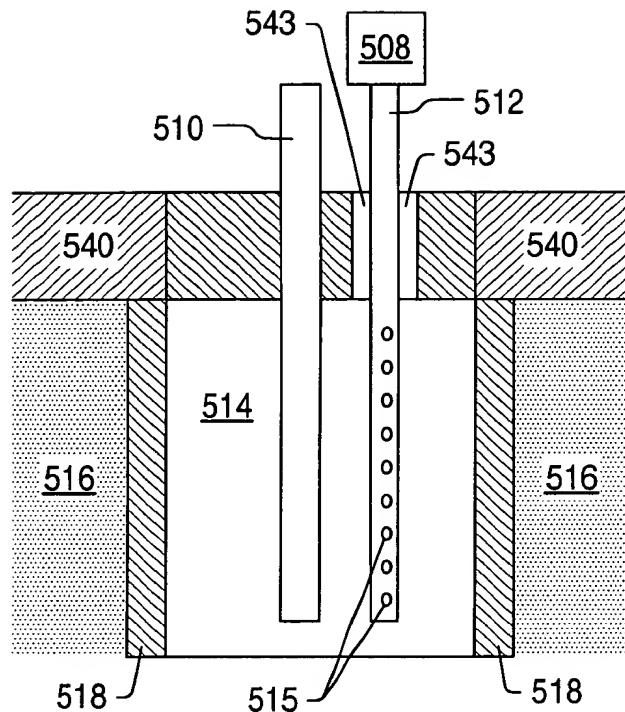


FIG. 14

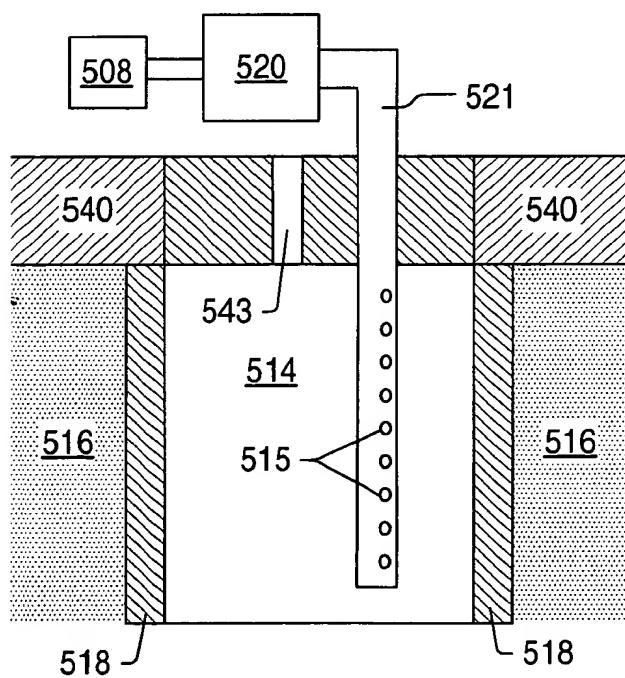


FIG. 15

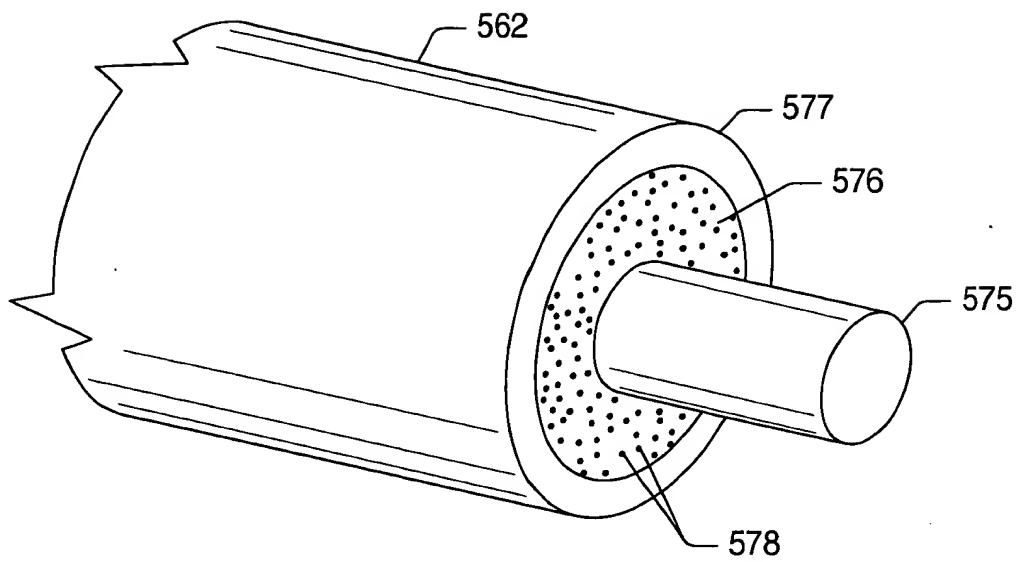


FIG. 16

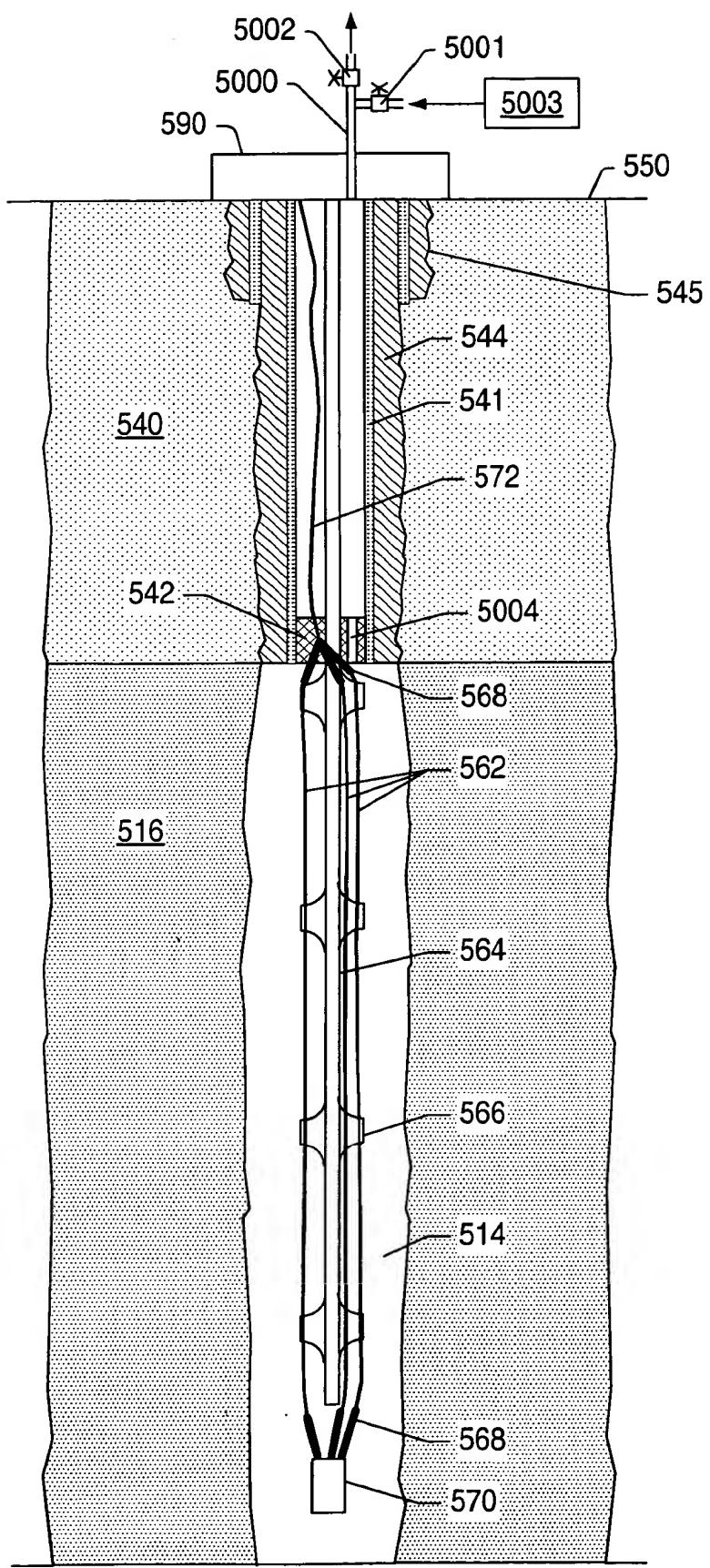


FIG. 17

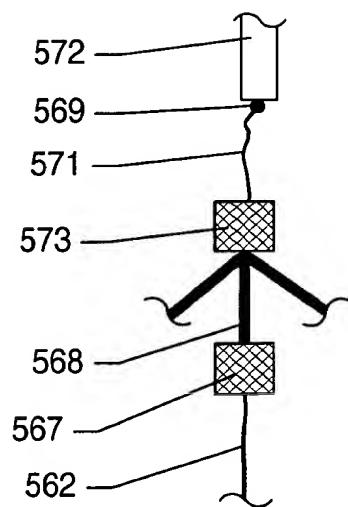


FIG. 17A

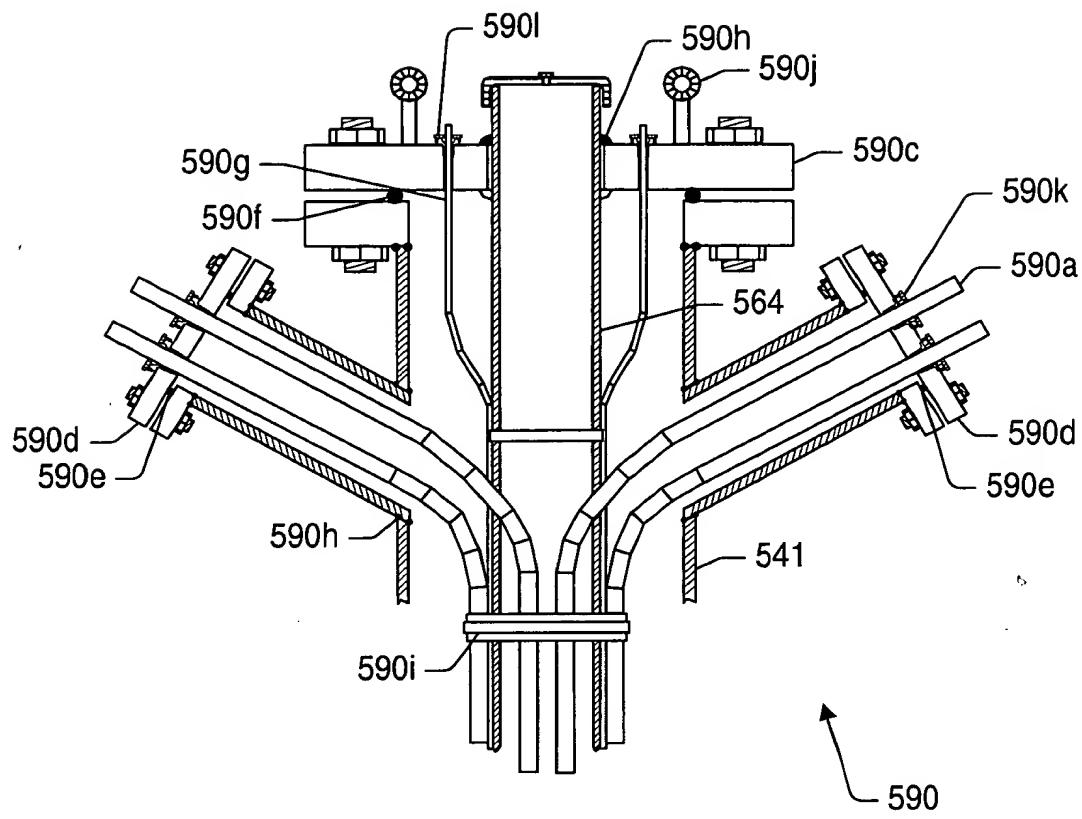


FIG. 18

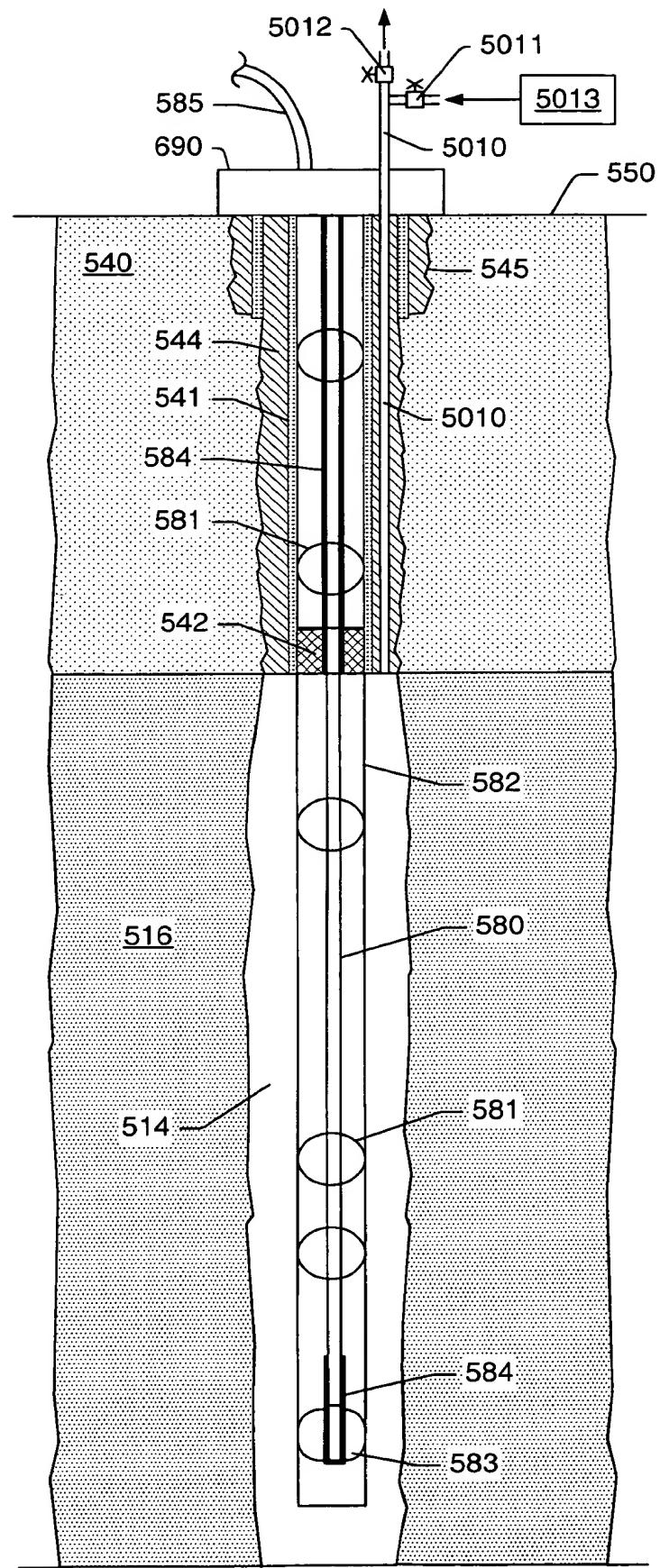


FIG. 19

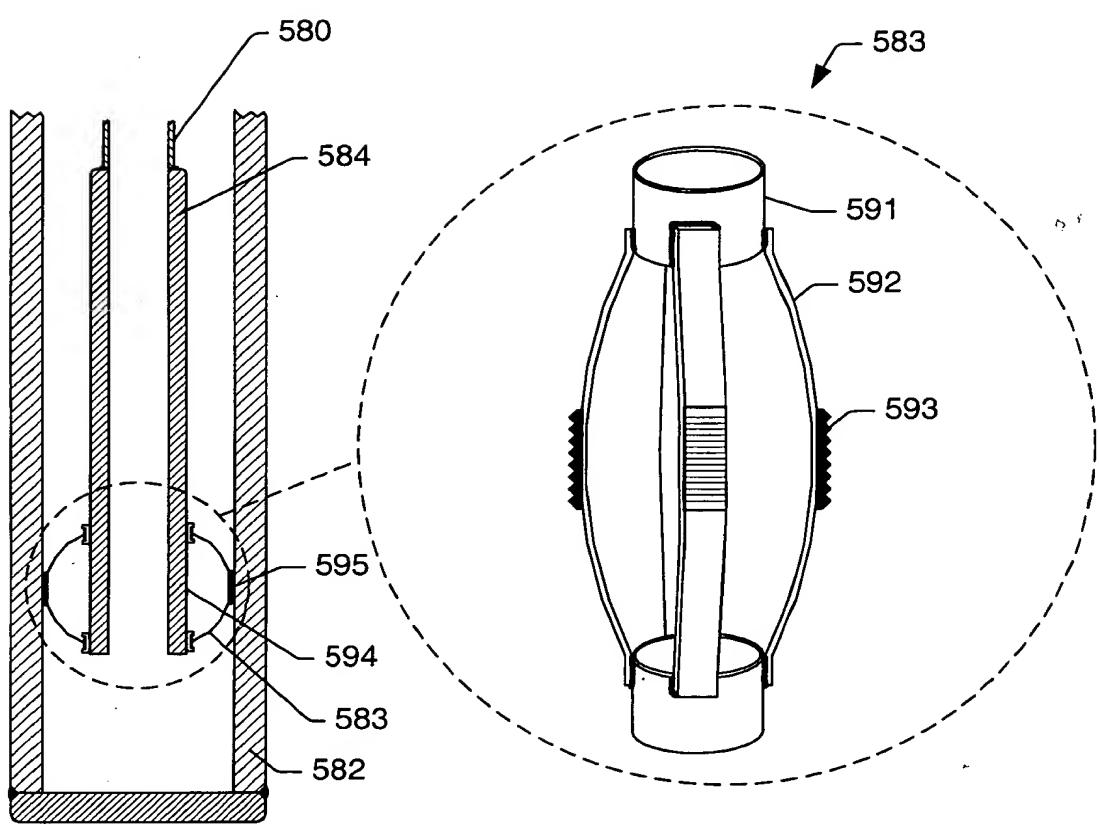


FIG. 20

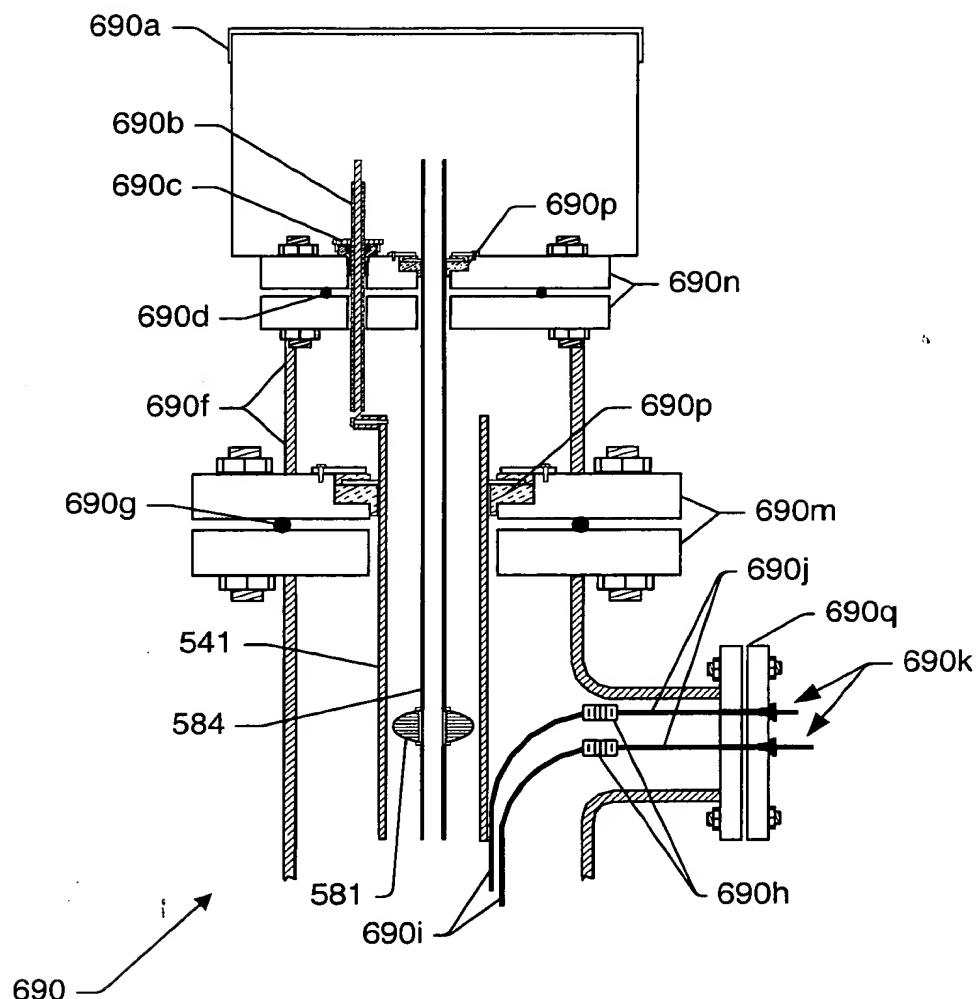


FIG. 21

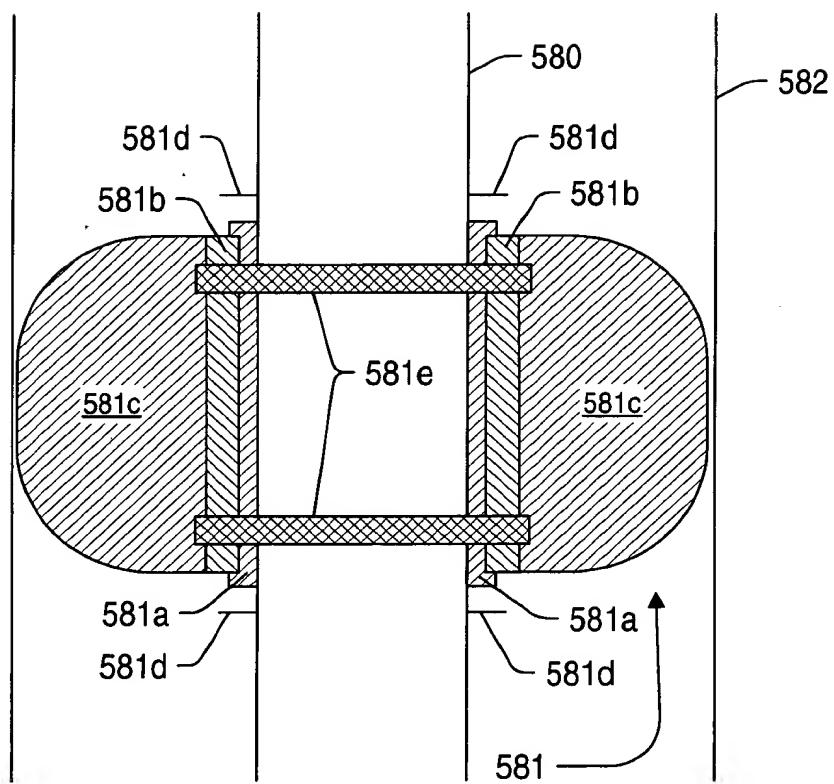


FIG. 22

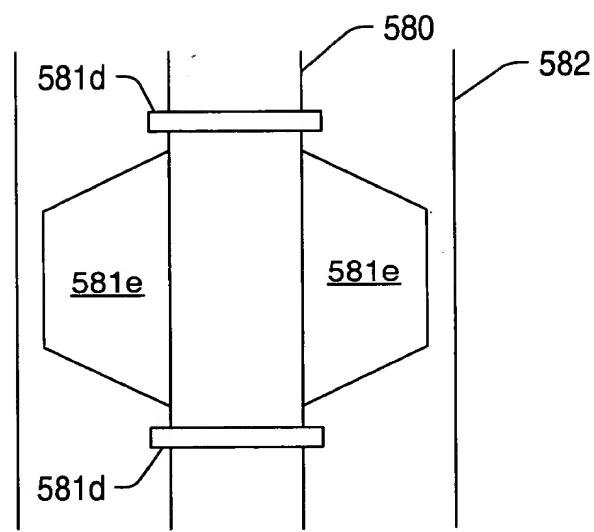


FIG. 23a

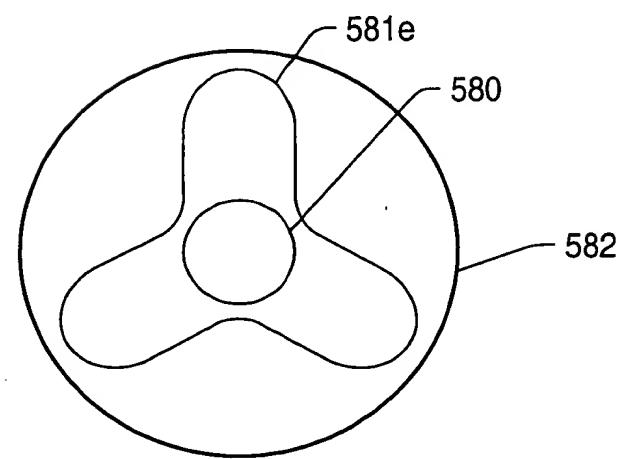


FIG. 23b

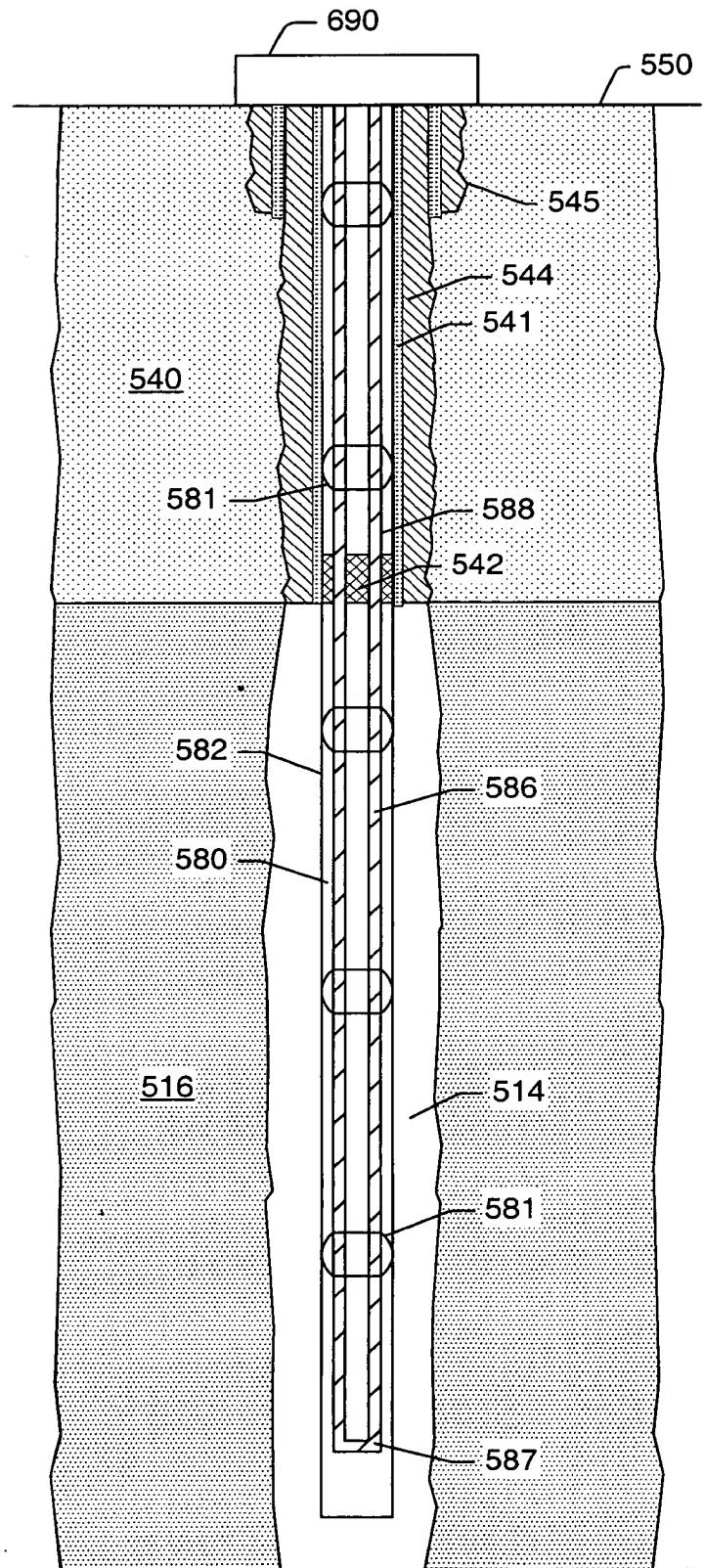


Fig. 24

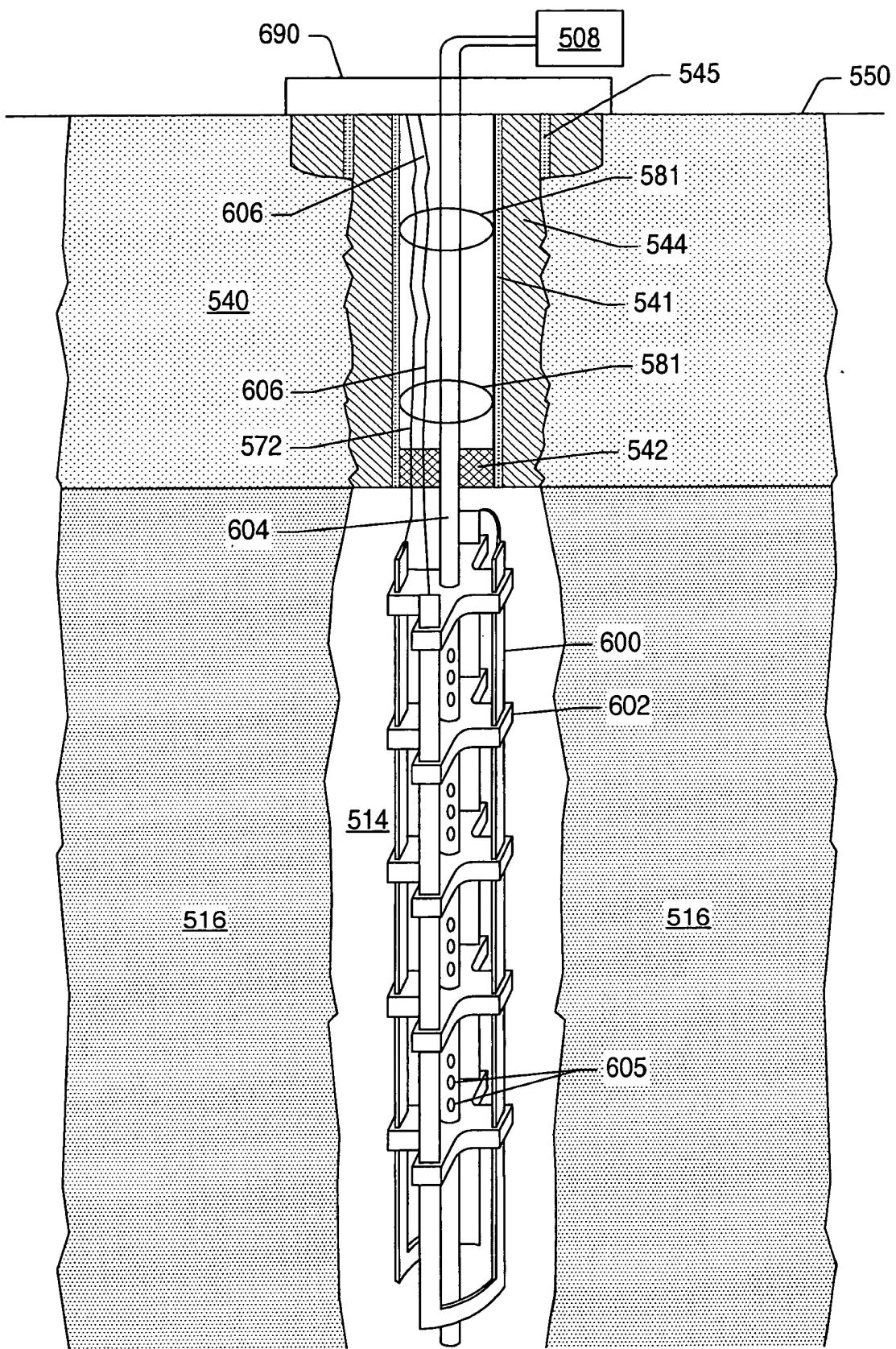


FIG. 25

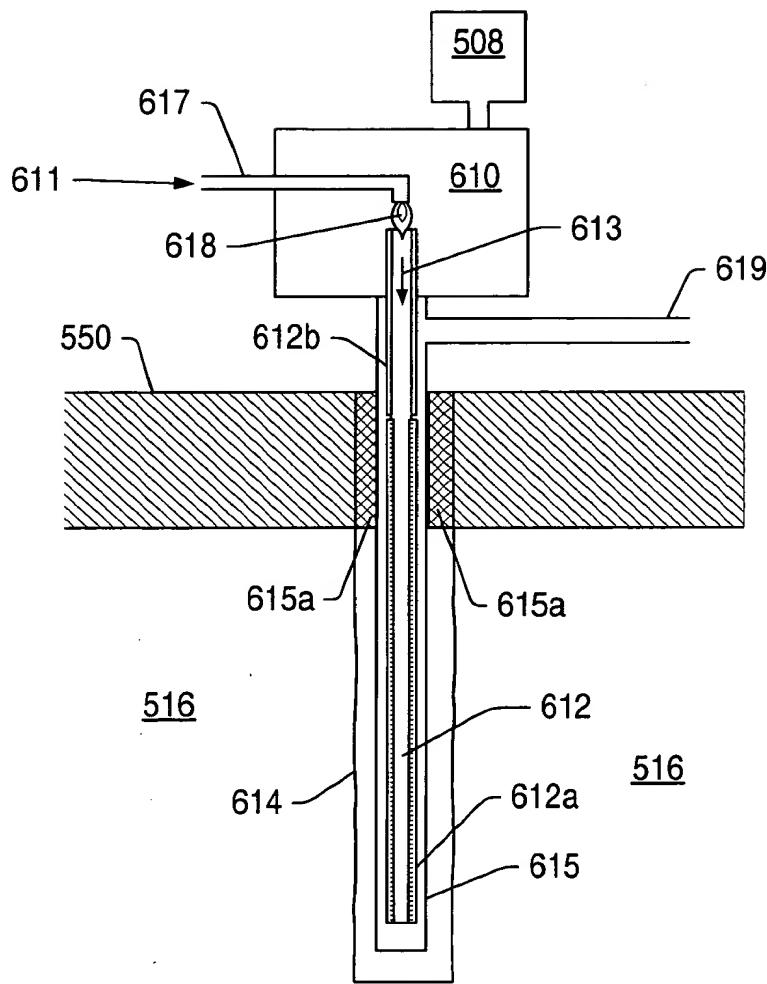


FIG. 26

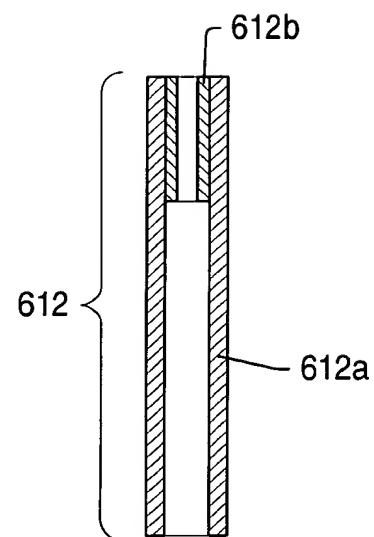


FIG. 27

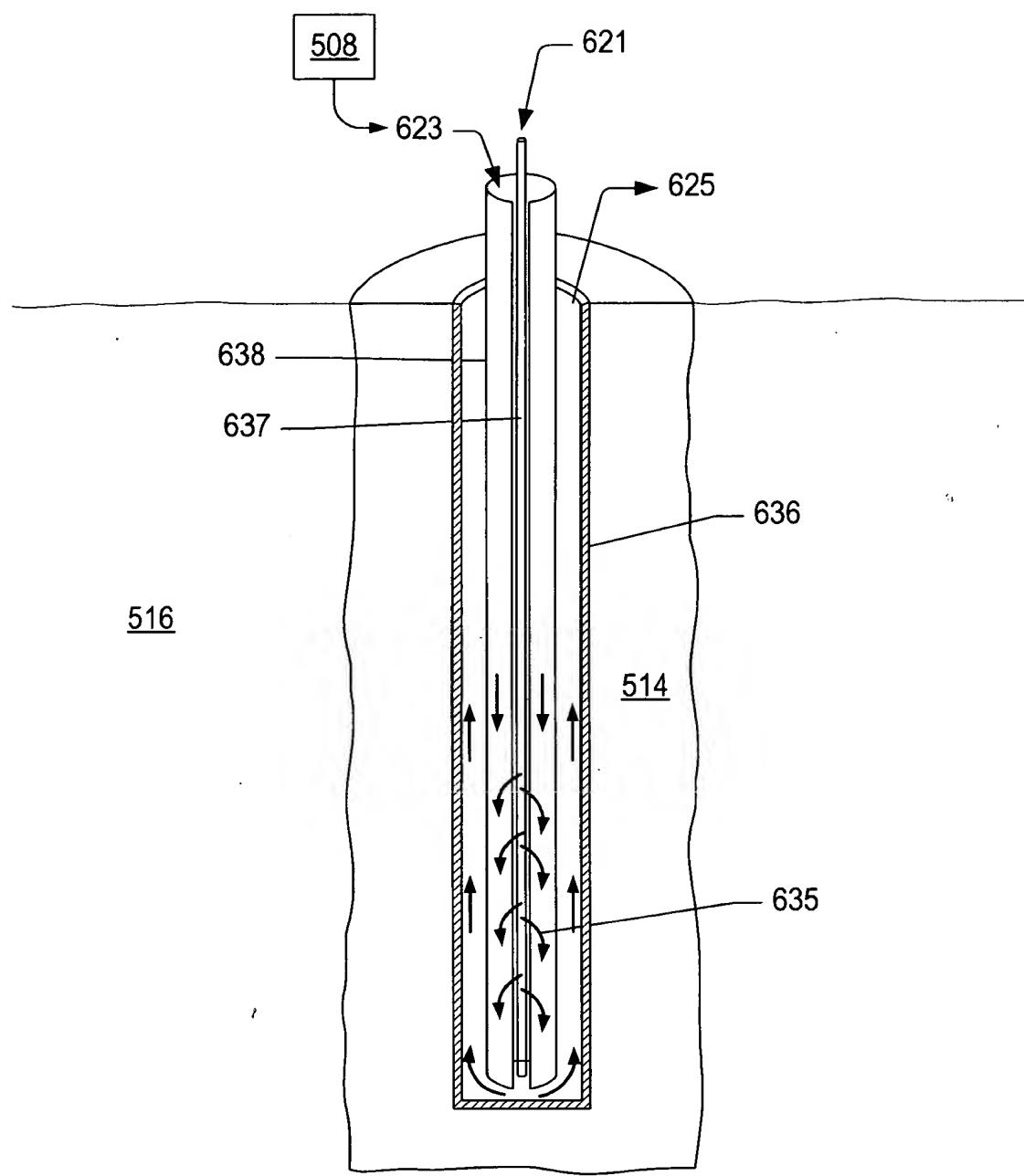


FIG. 28

FIG. 29

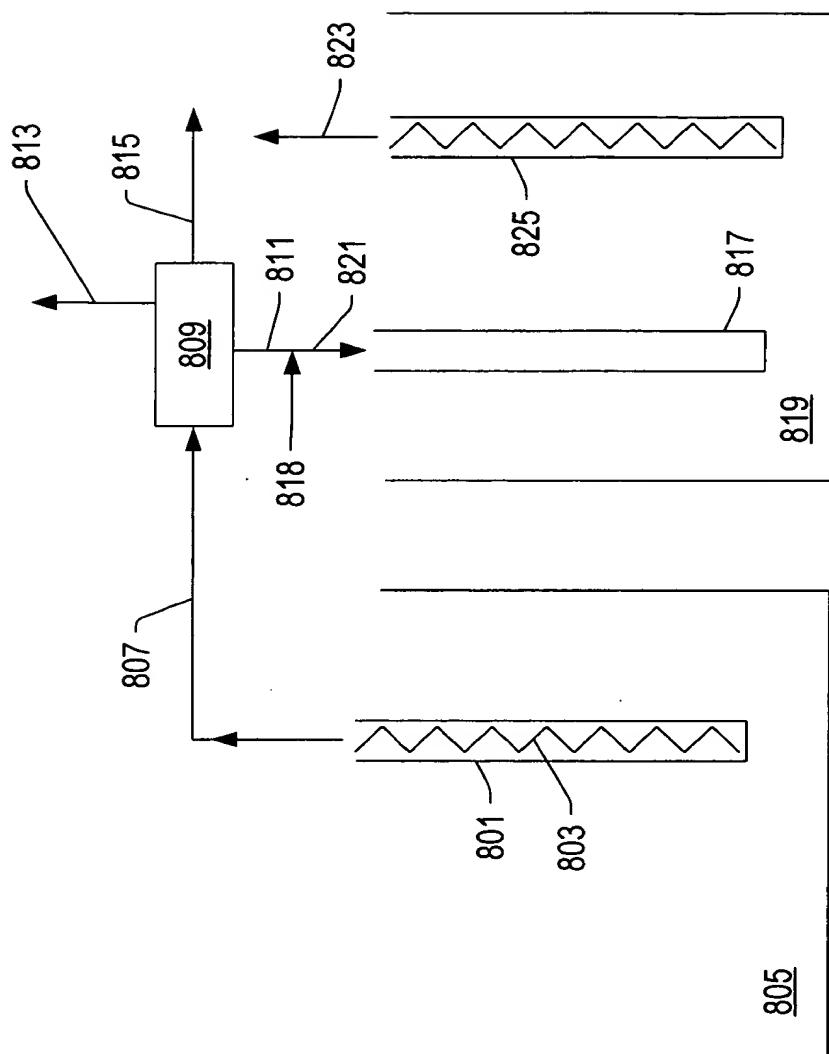
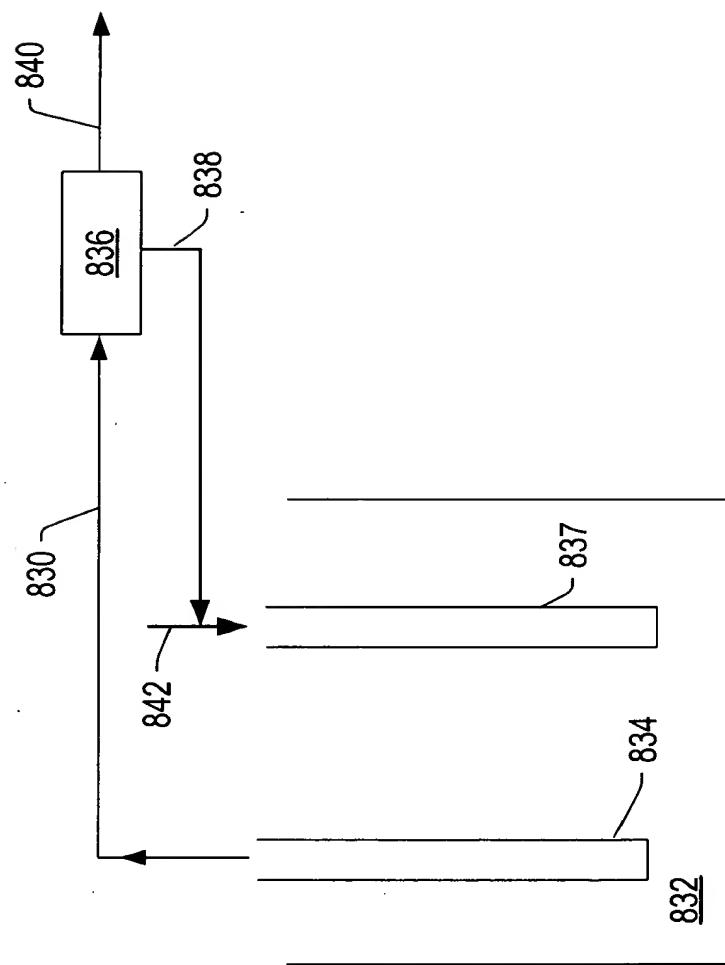


FIG. 30



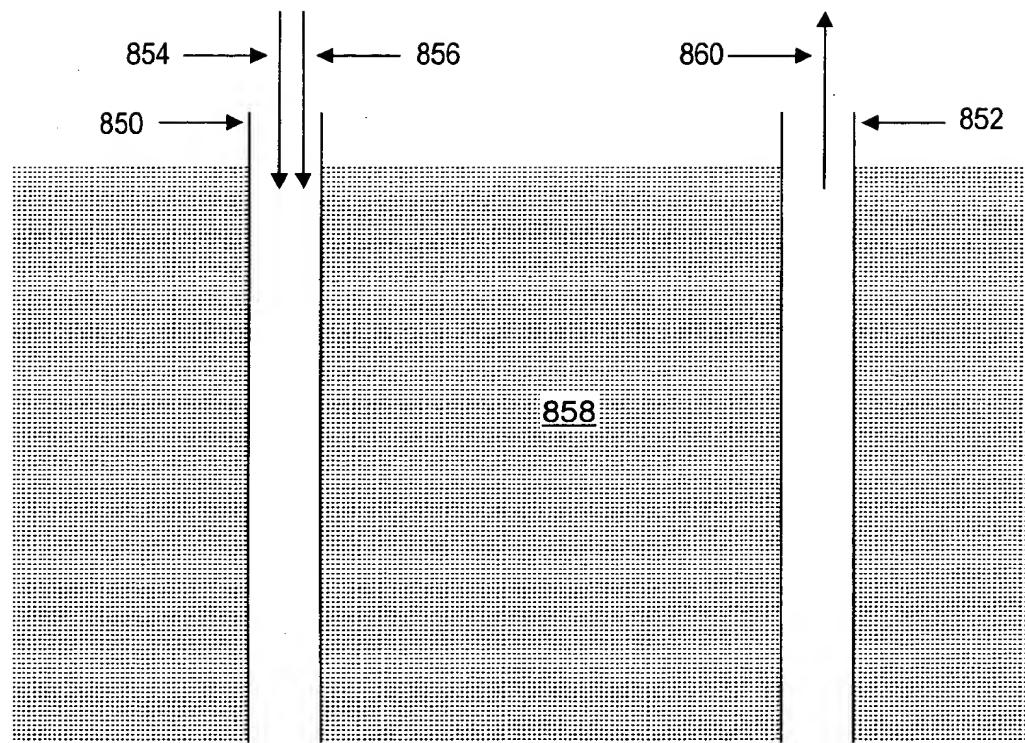


FIG. 31

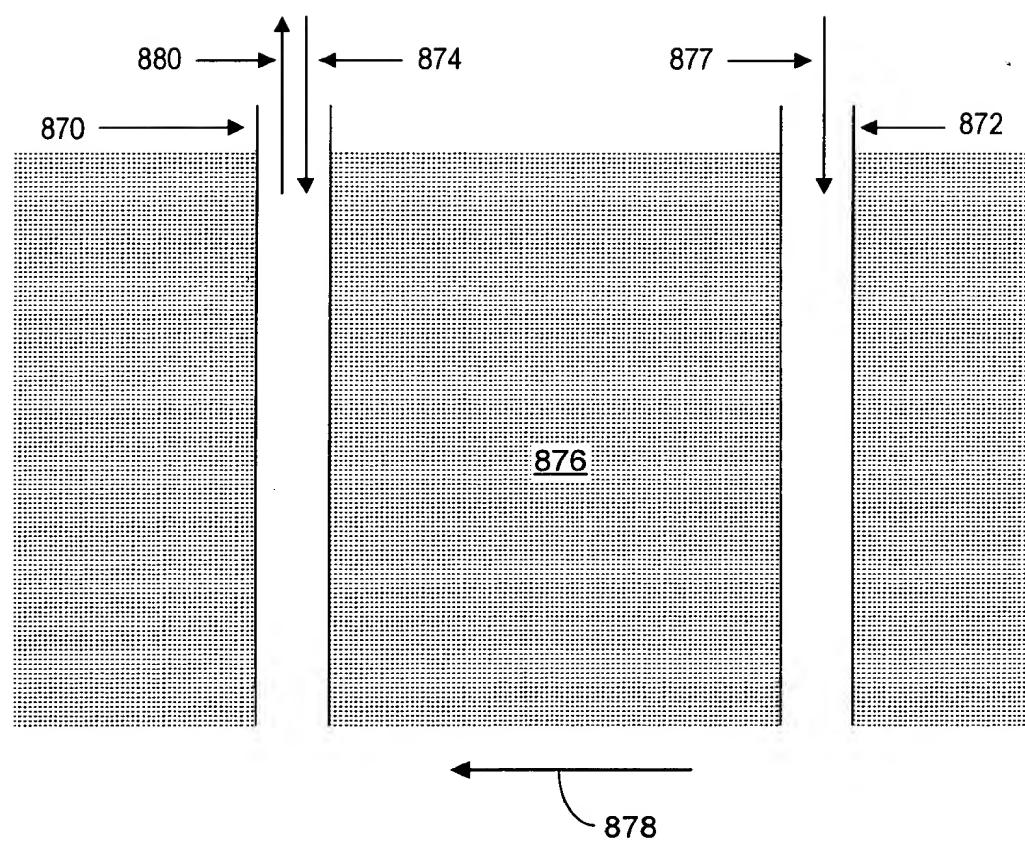


FIG. 32

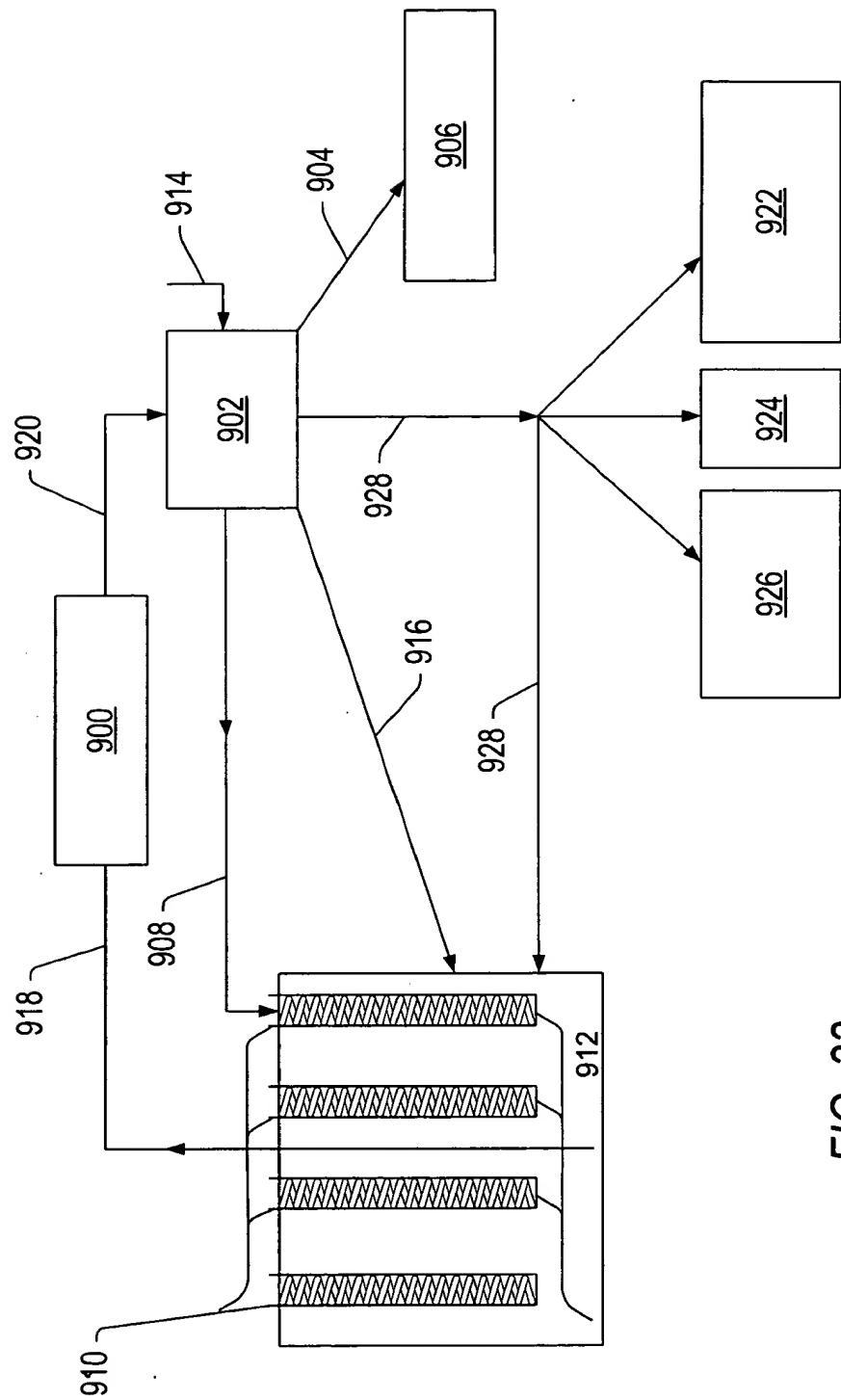


FIG. 33

FIG. 34

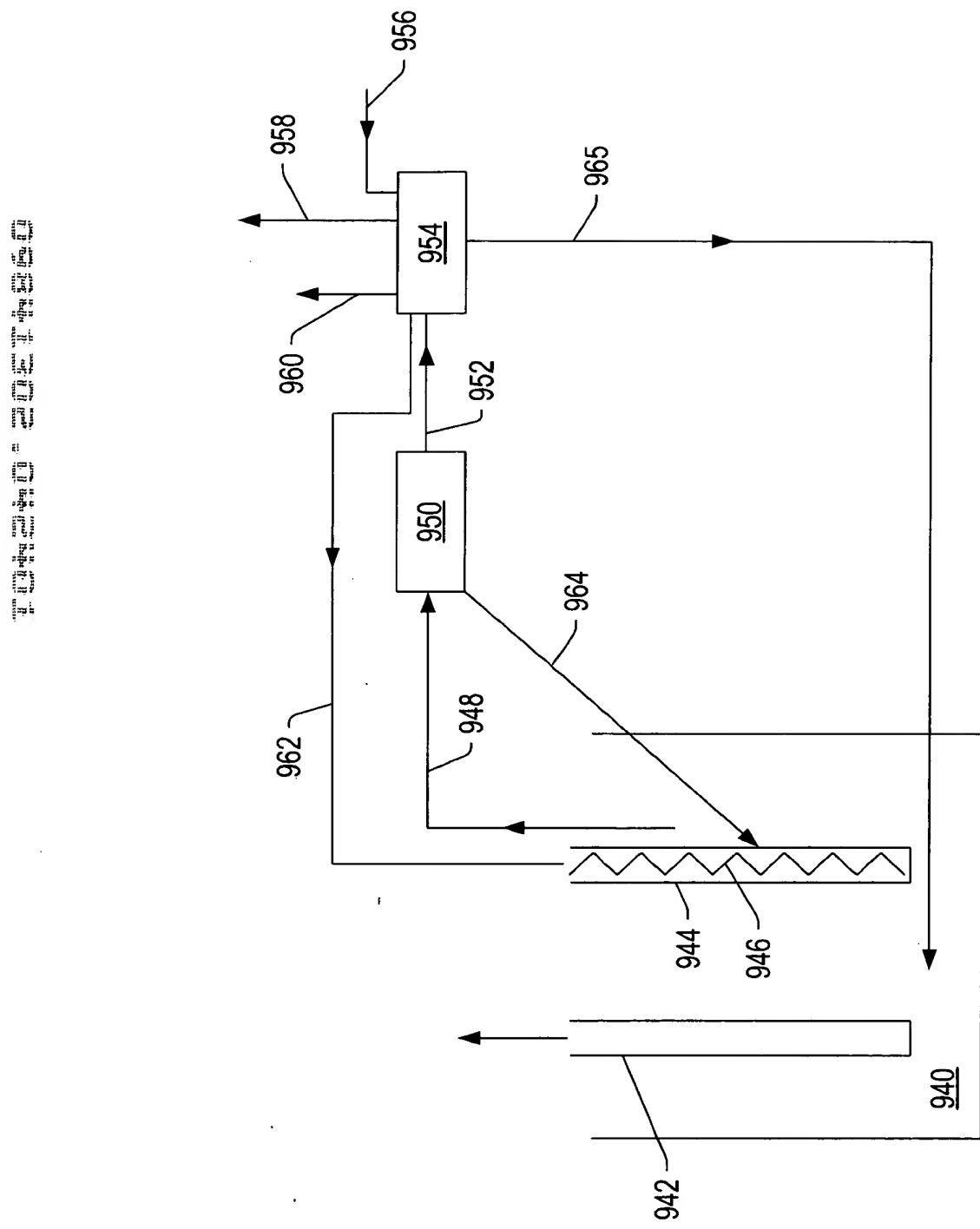
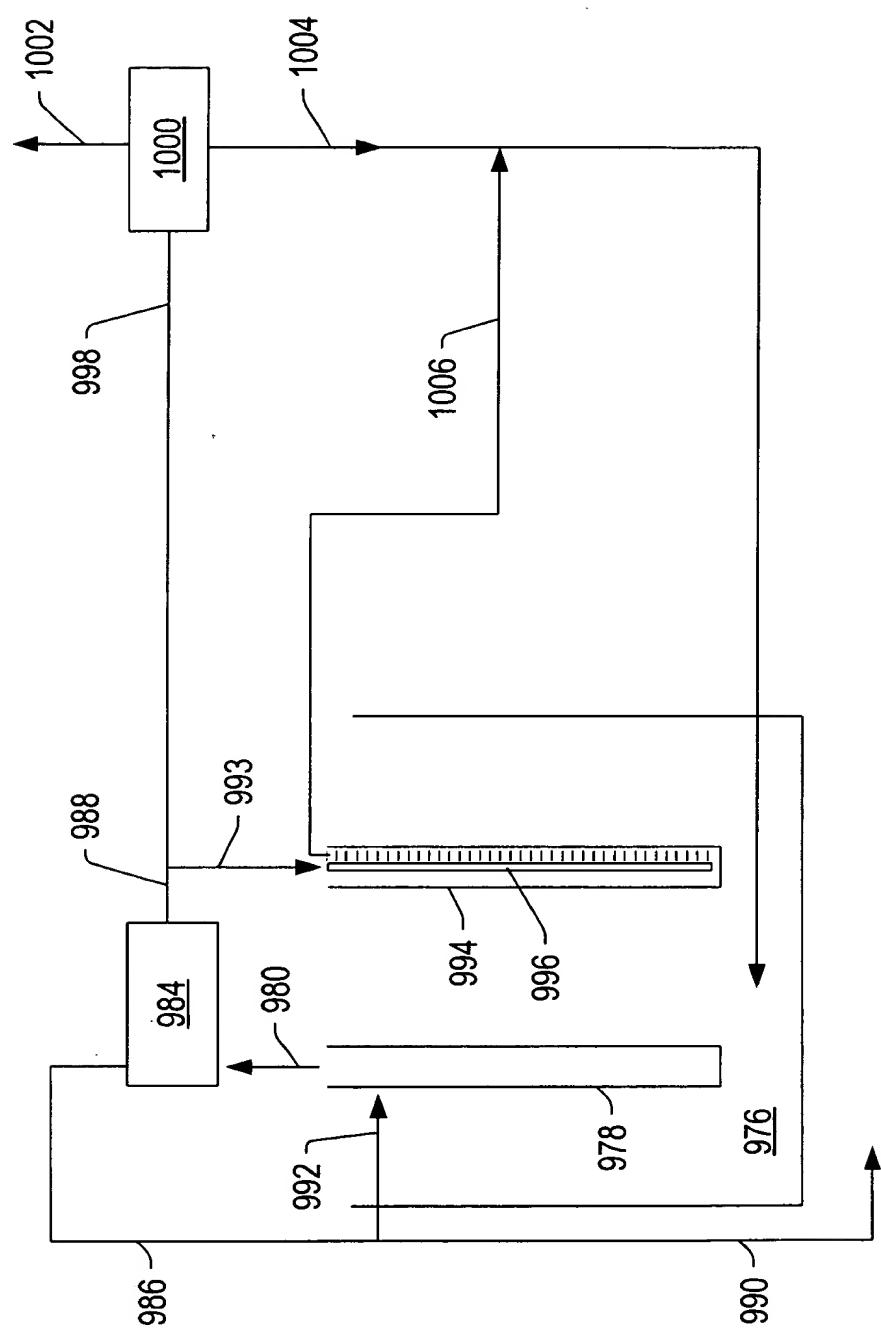


FIG. 35



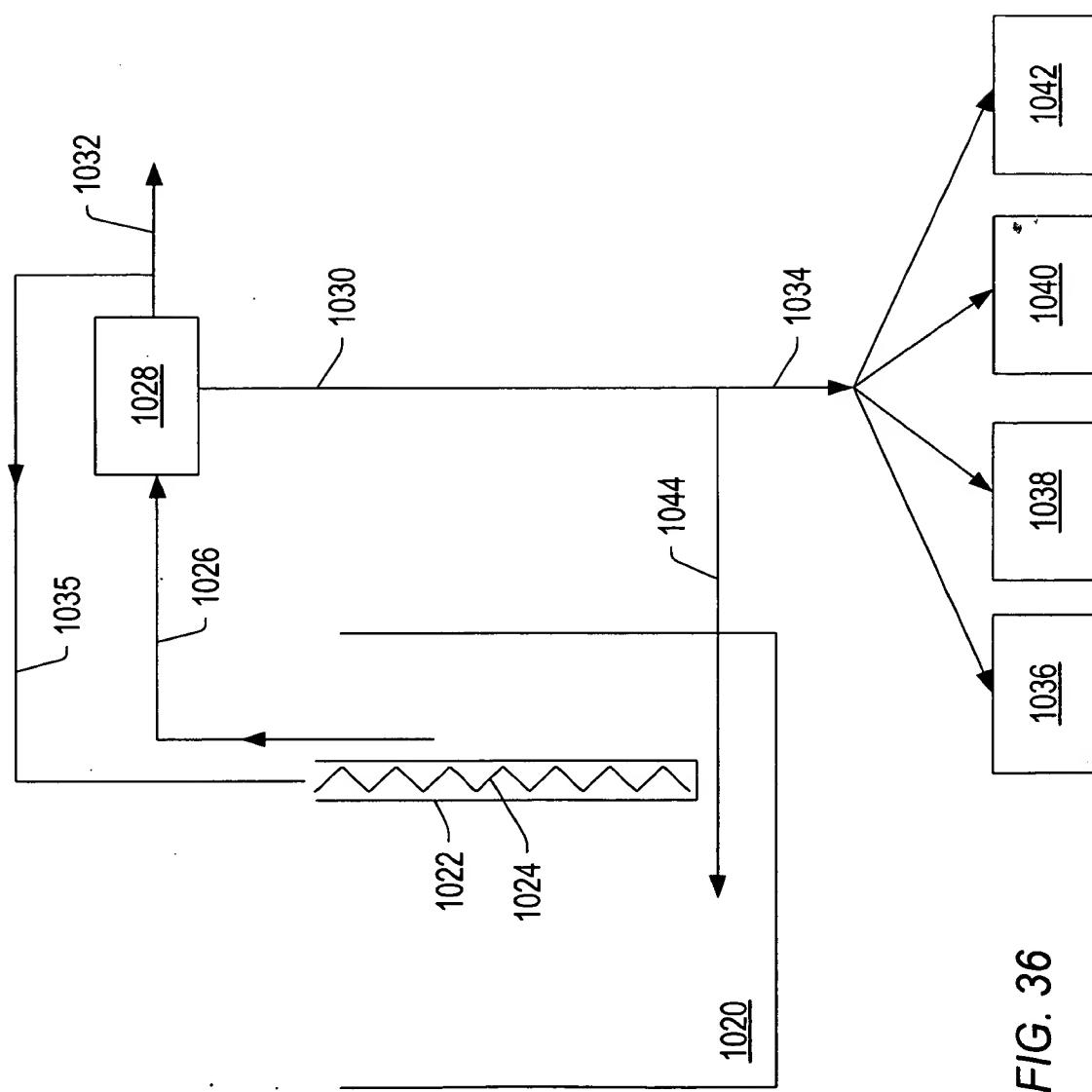
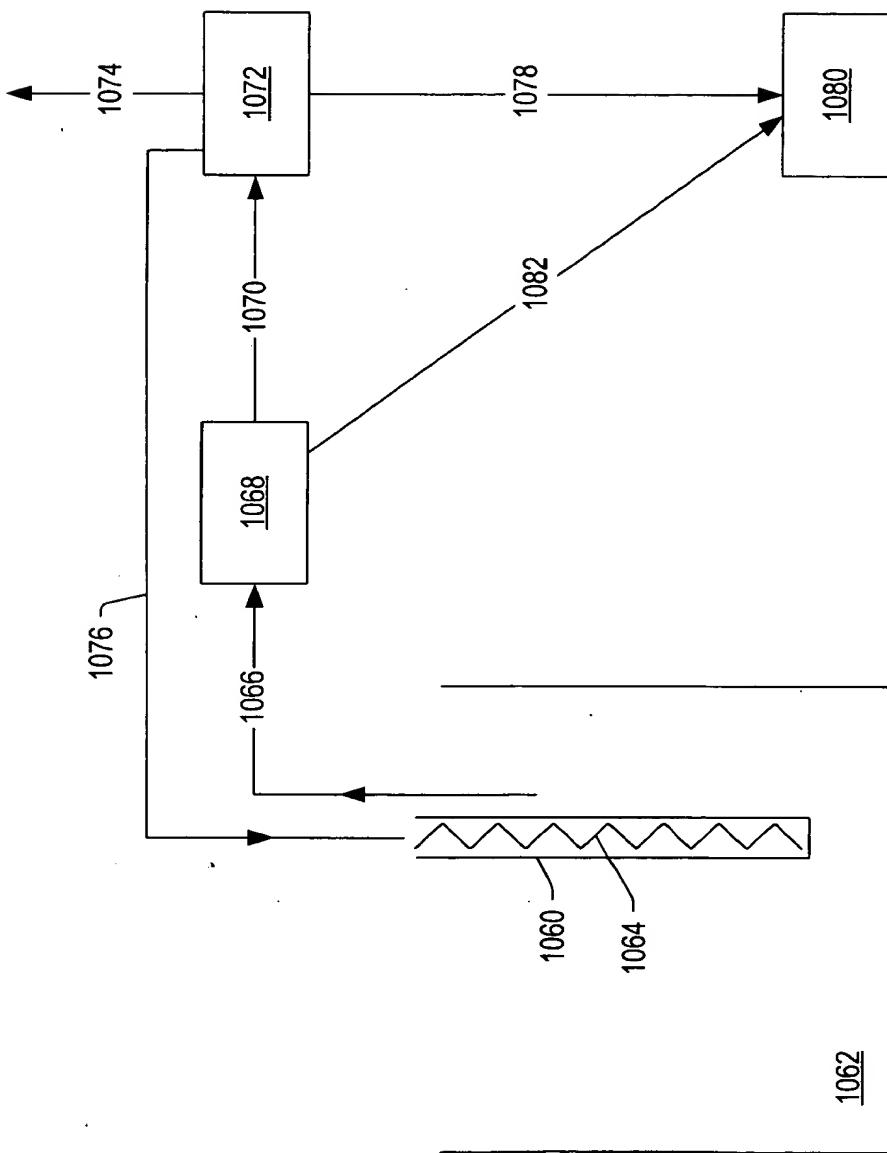


FIG. 36

FIG. 37



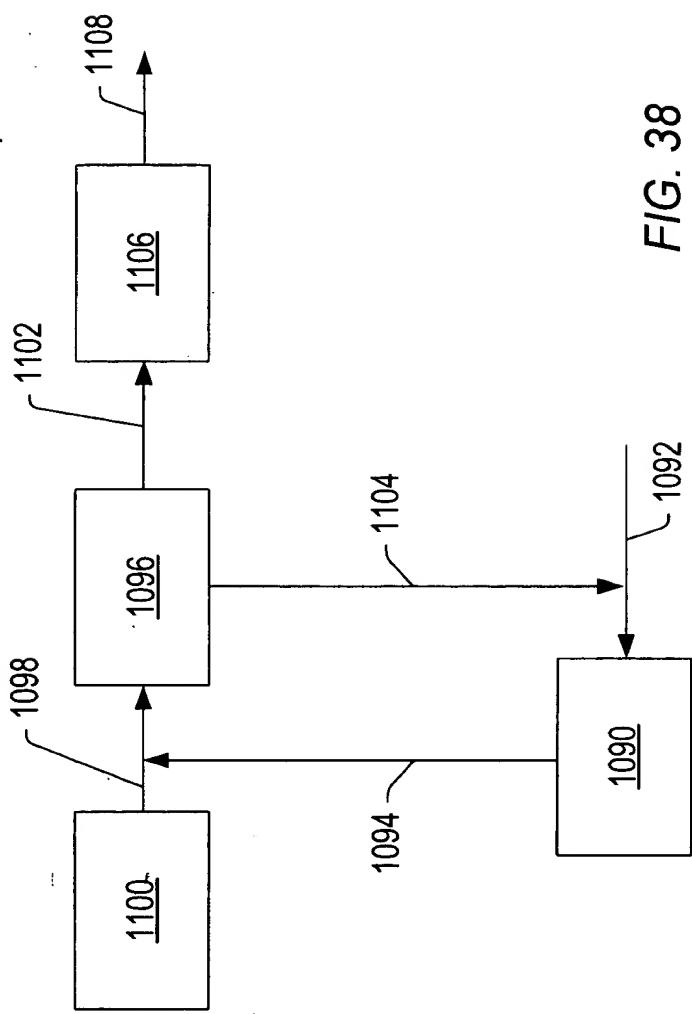


FIG. 38

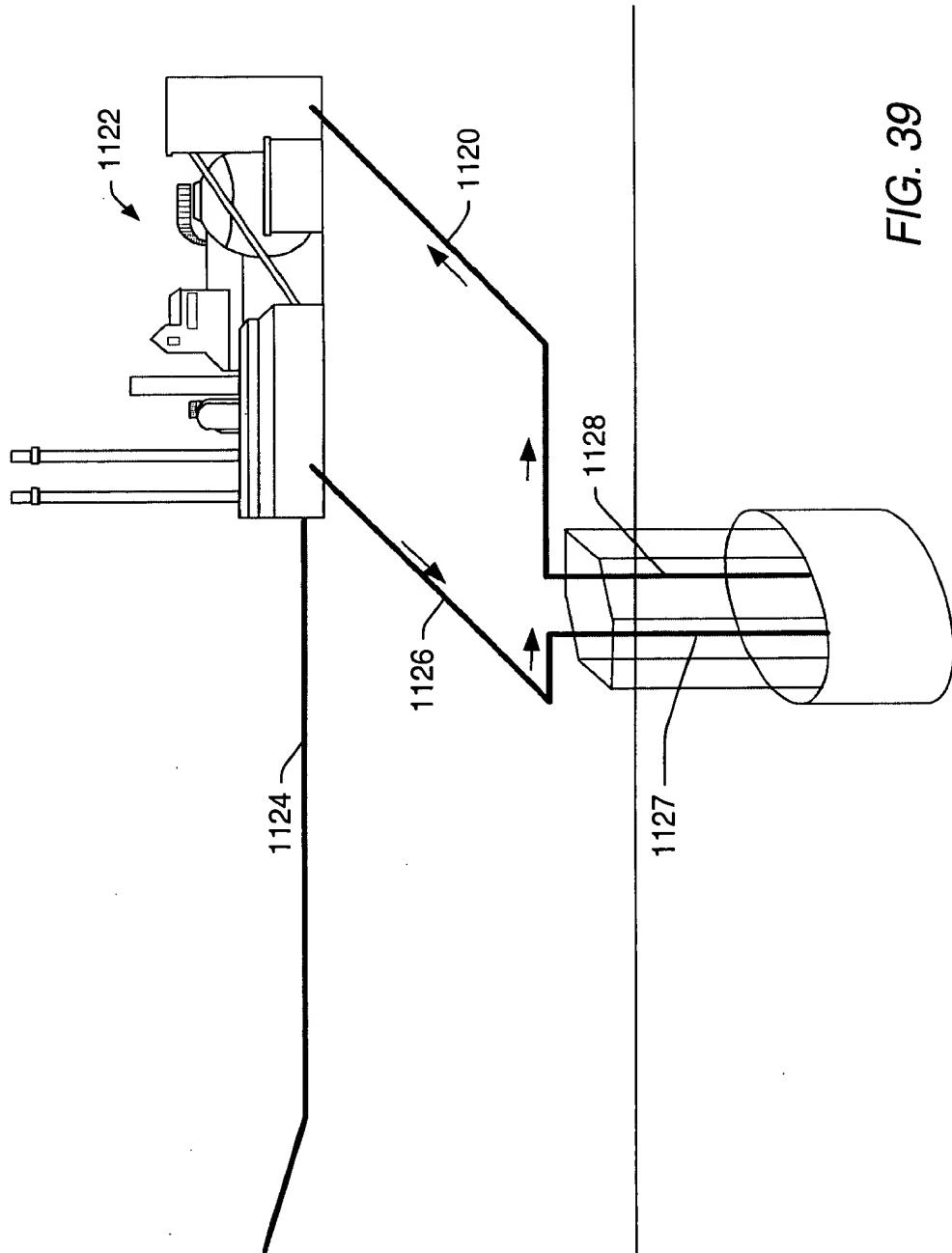
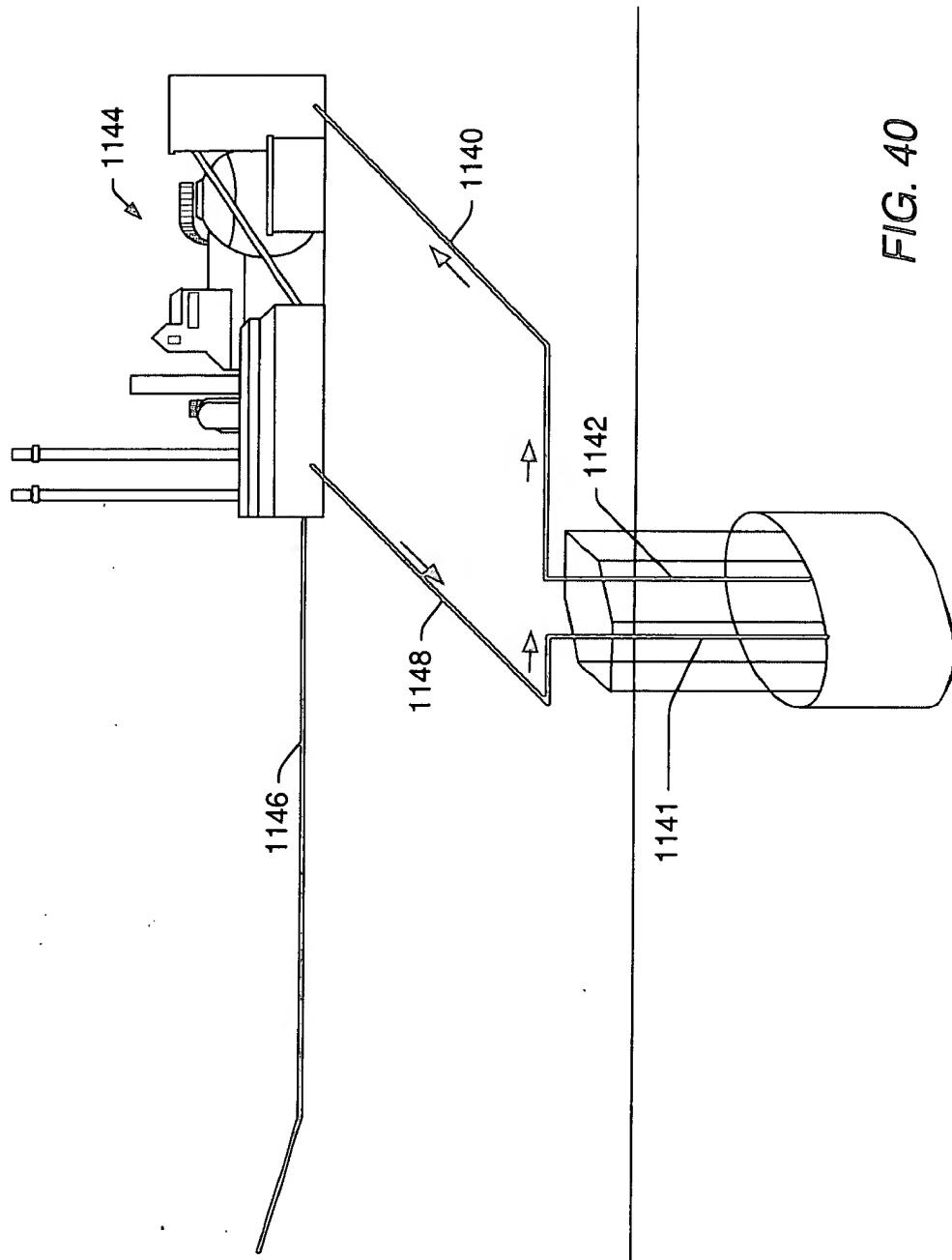


FIG. 39

FIG. 40



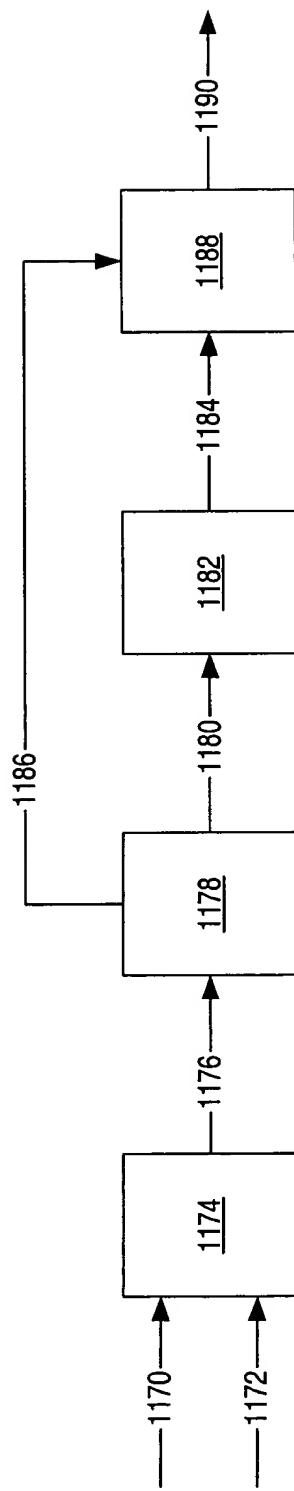
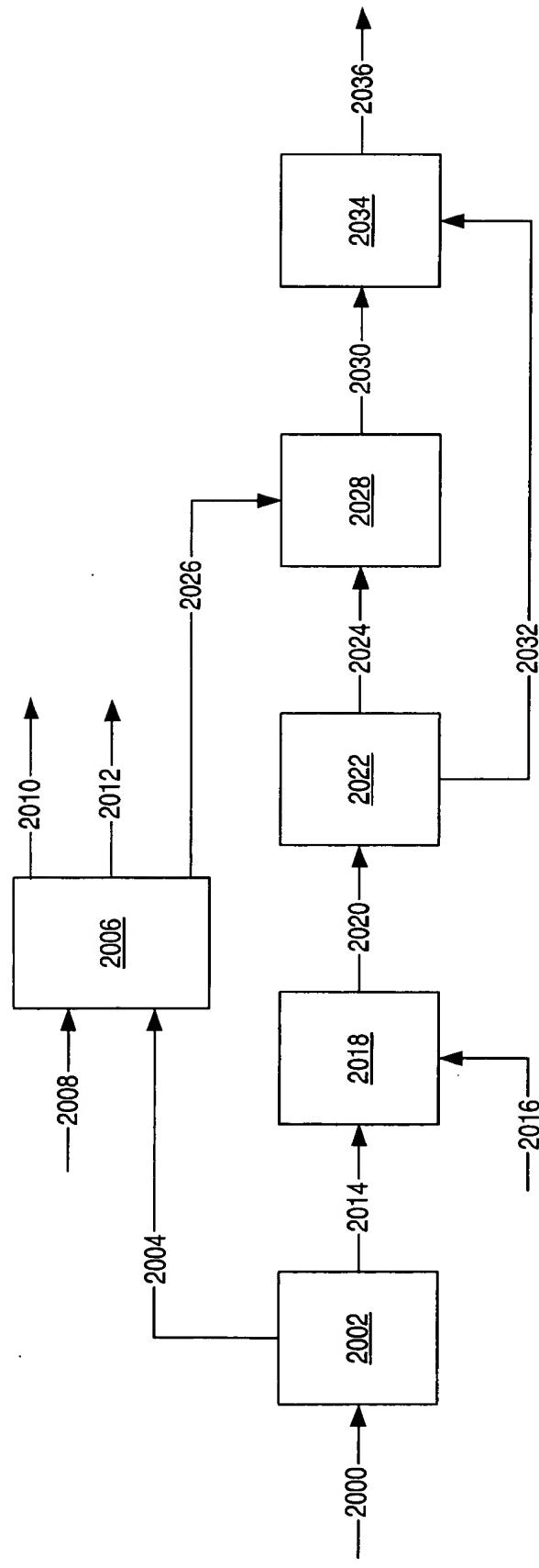


FIG. 41

FIG. 42

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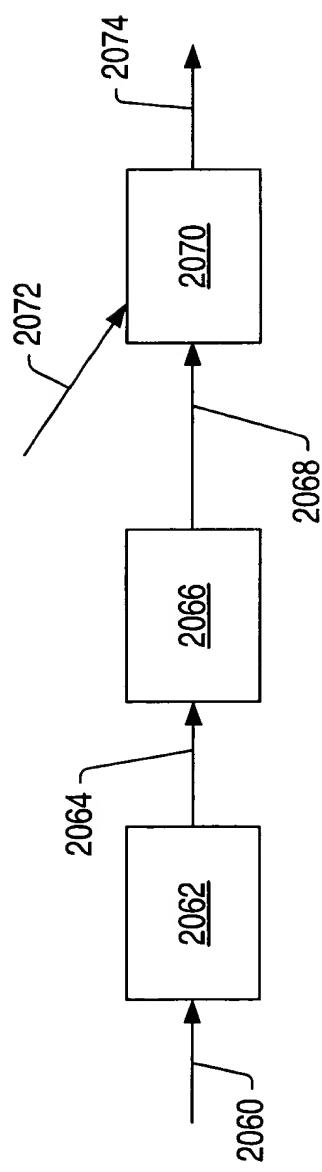


FIG. 43

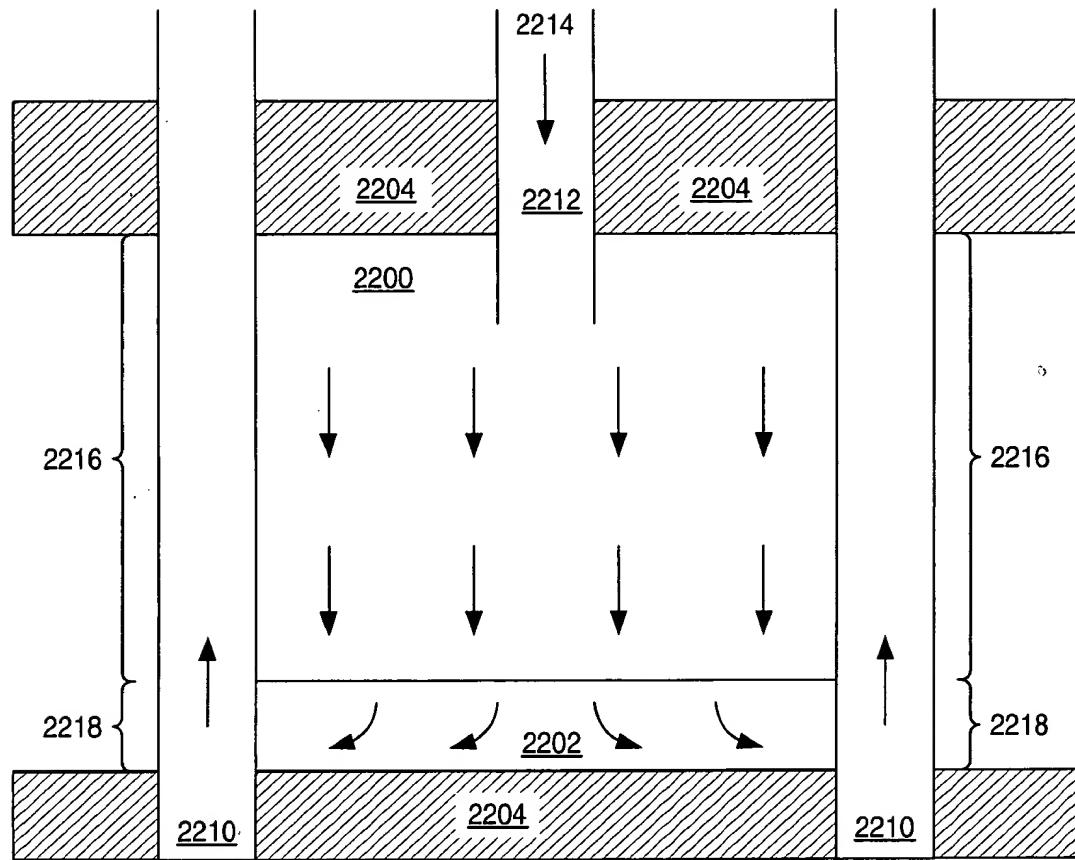
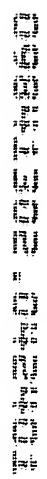


FIG. 44

2216
2210

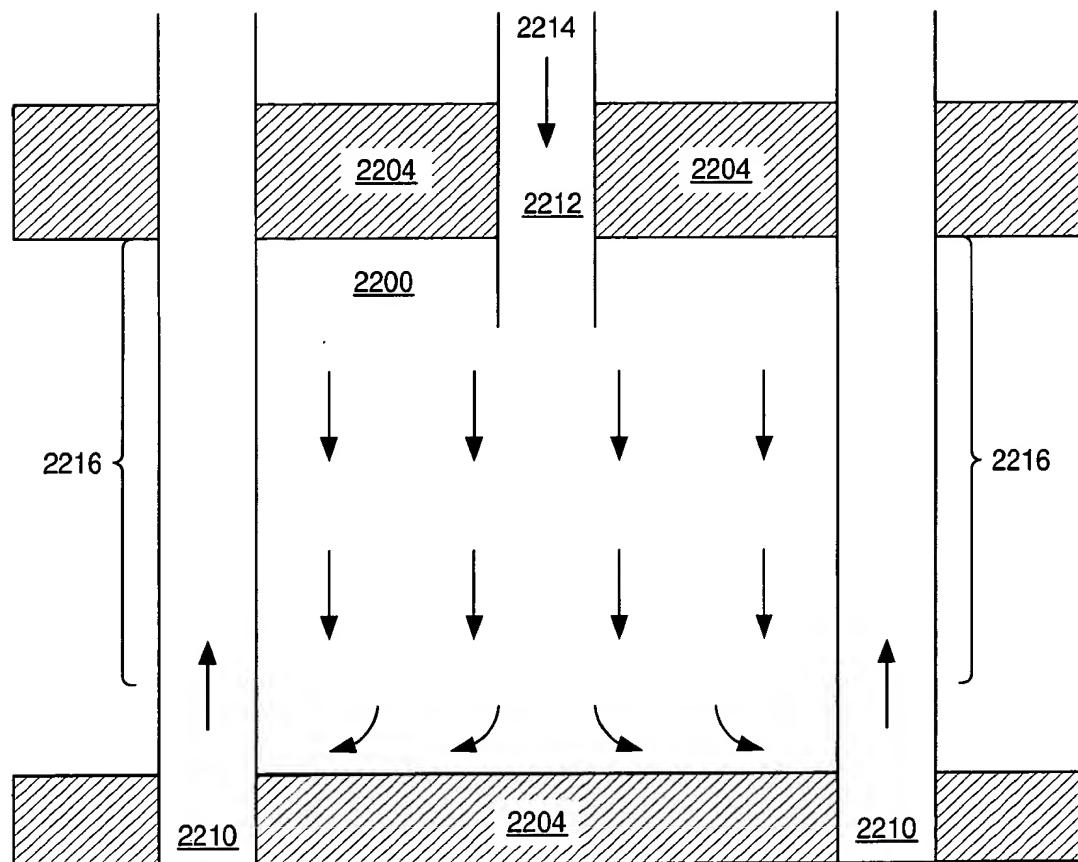


FIG. 45

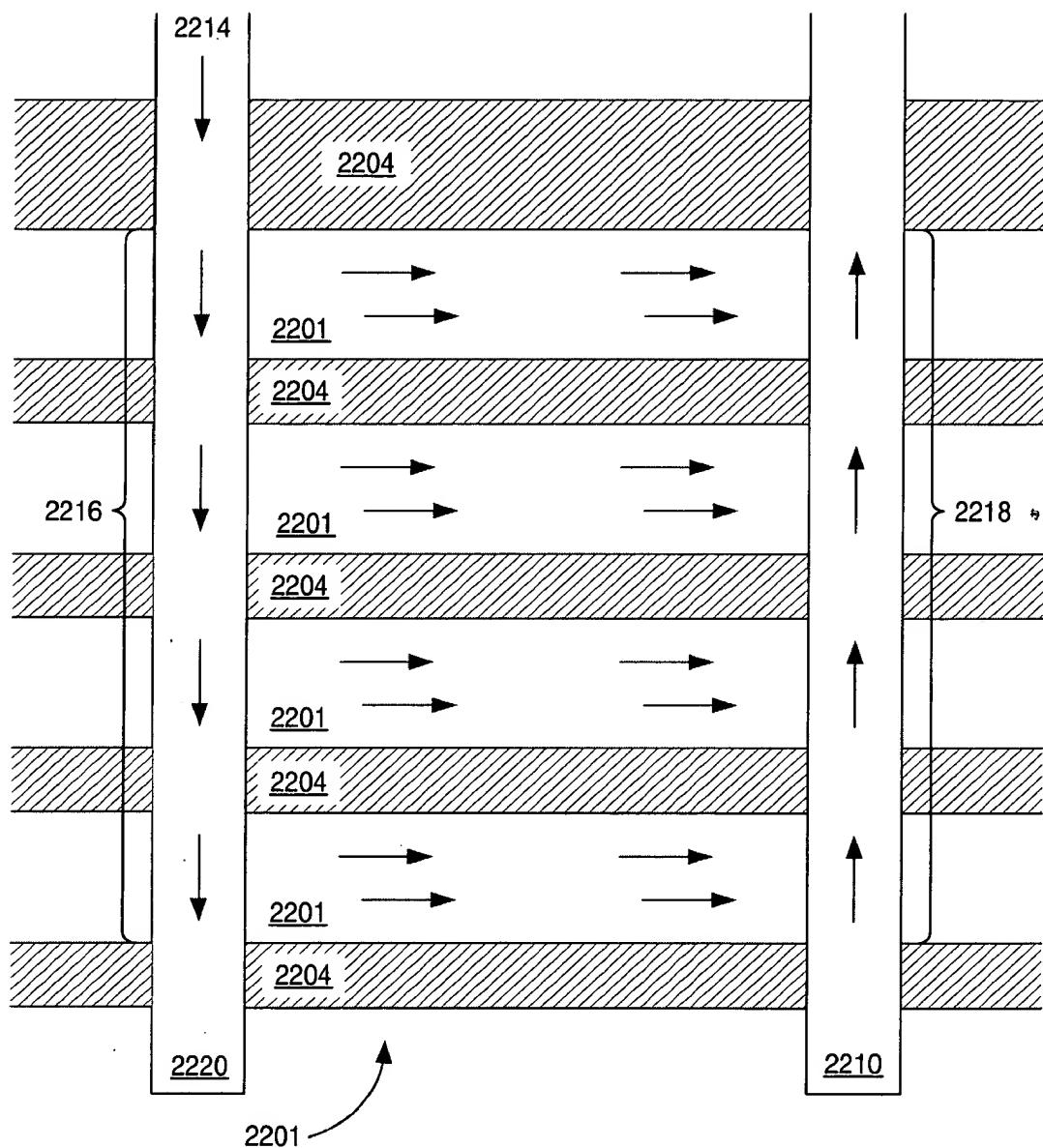


FIG. 46

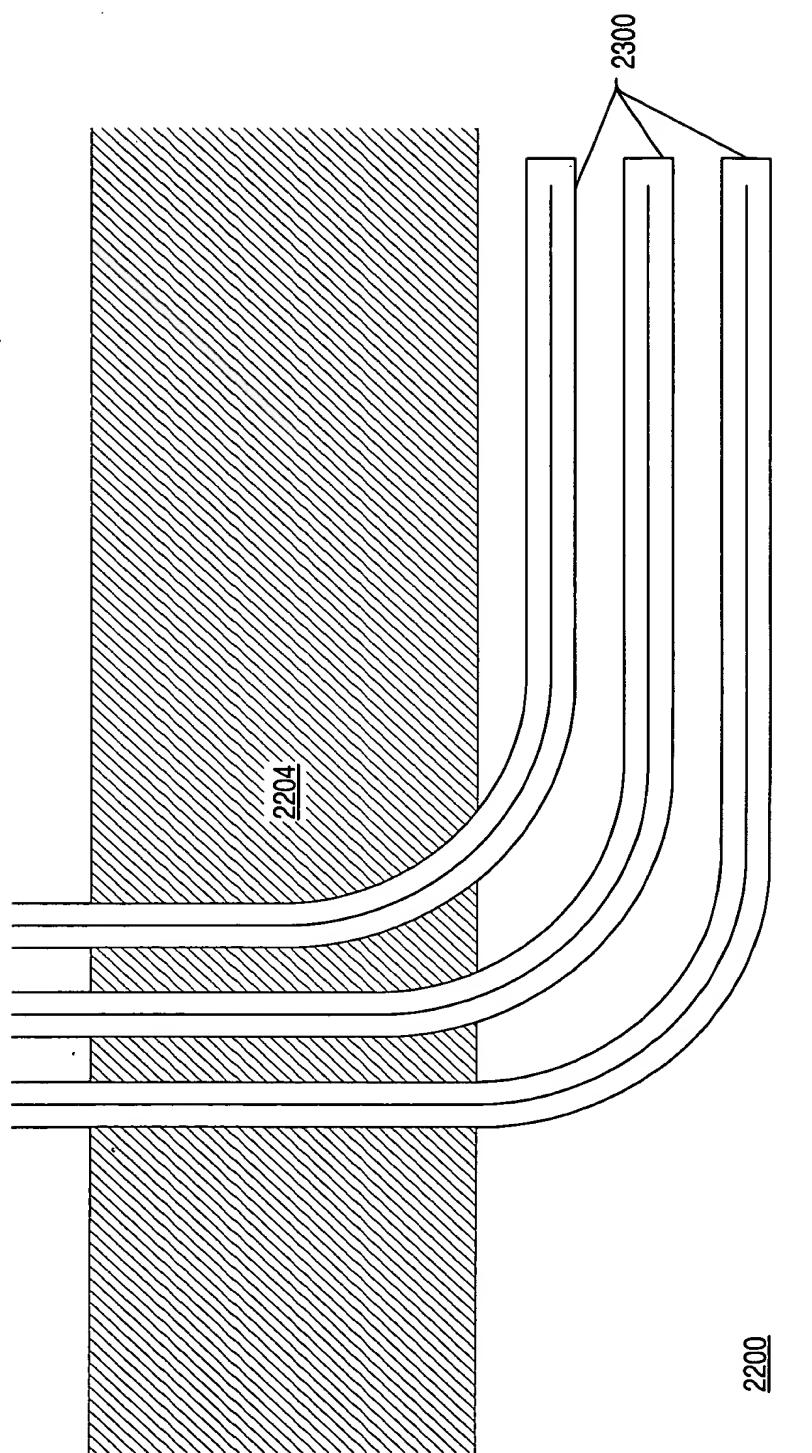


FIG. 47

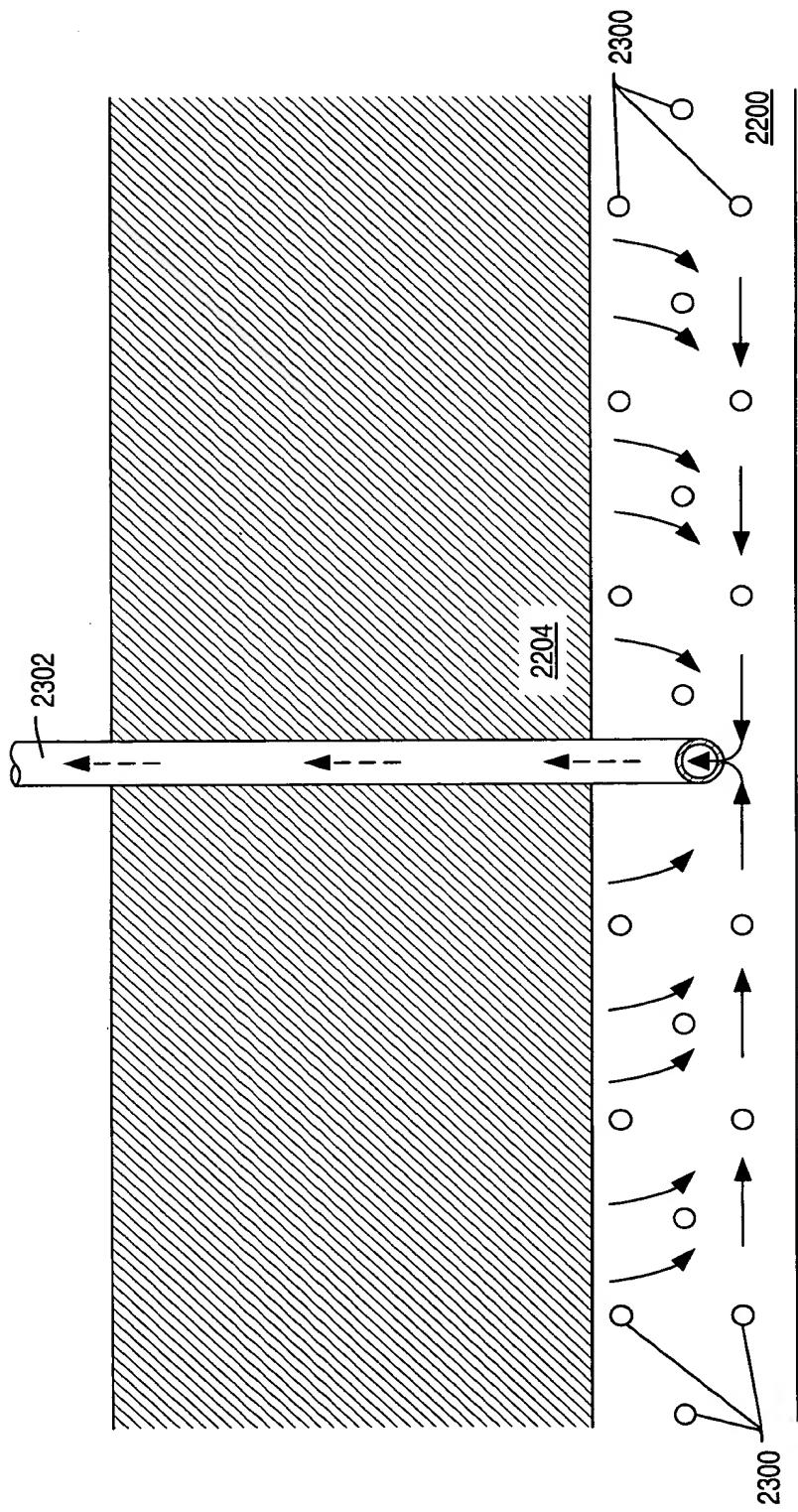


FIG. 48

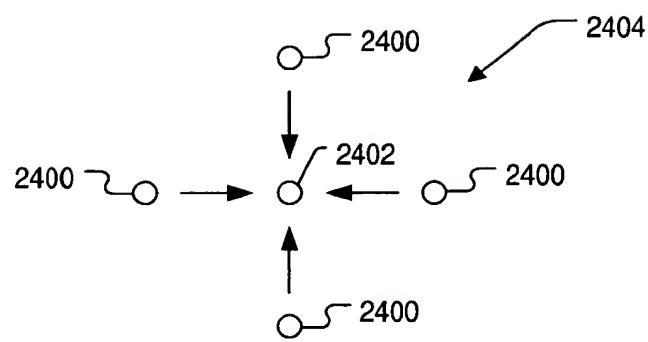


FIG. 49

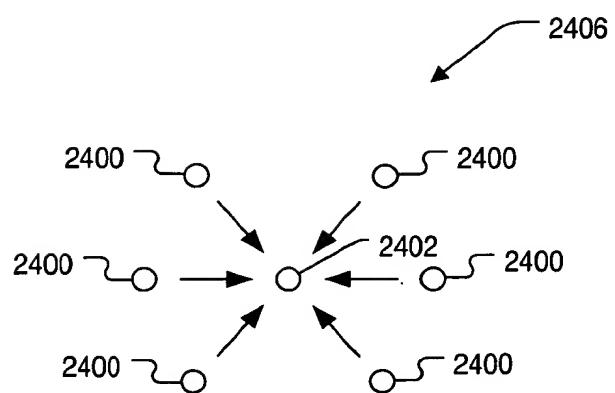


FIG. 50

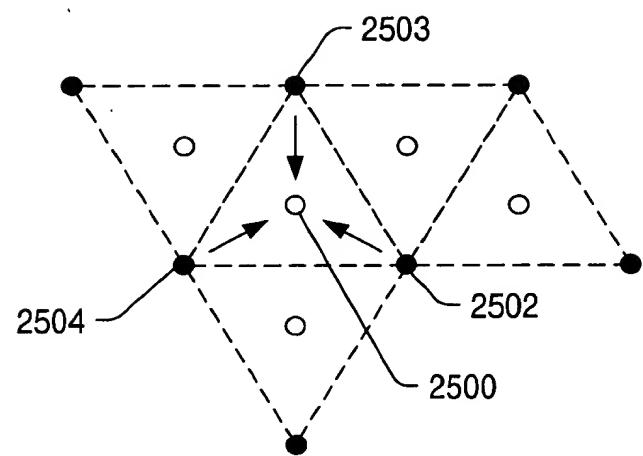


FIG. 51

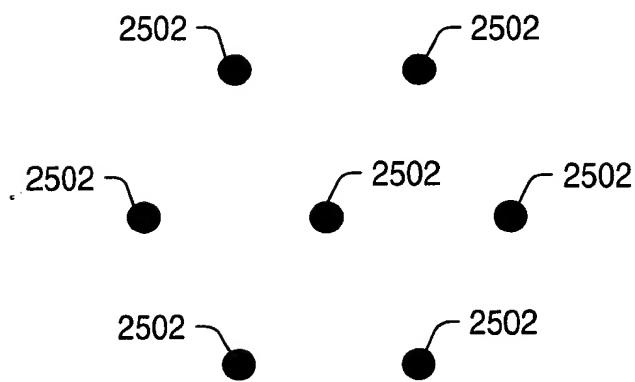


FIG. 52

0.0
0.2
0.4
0.6
0.8
1.0

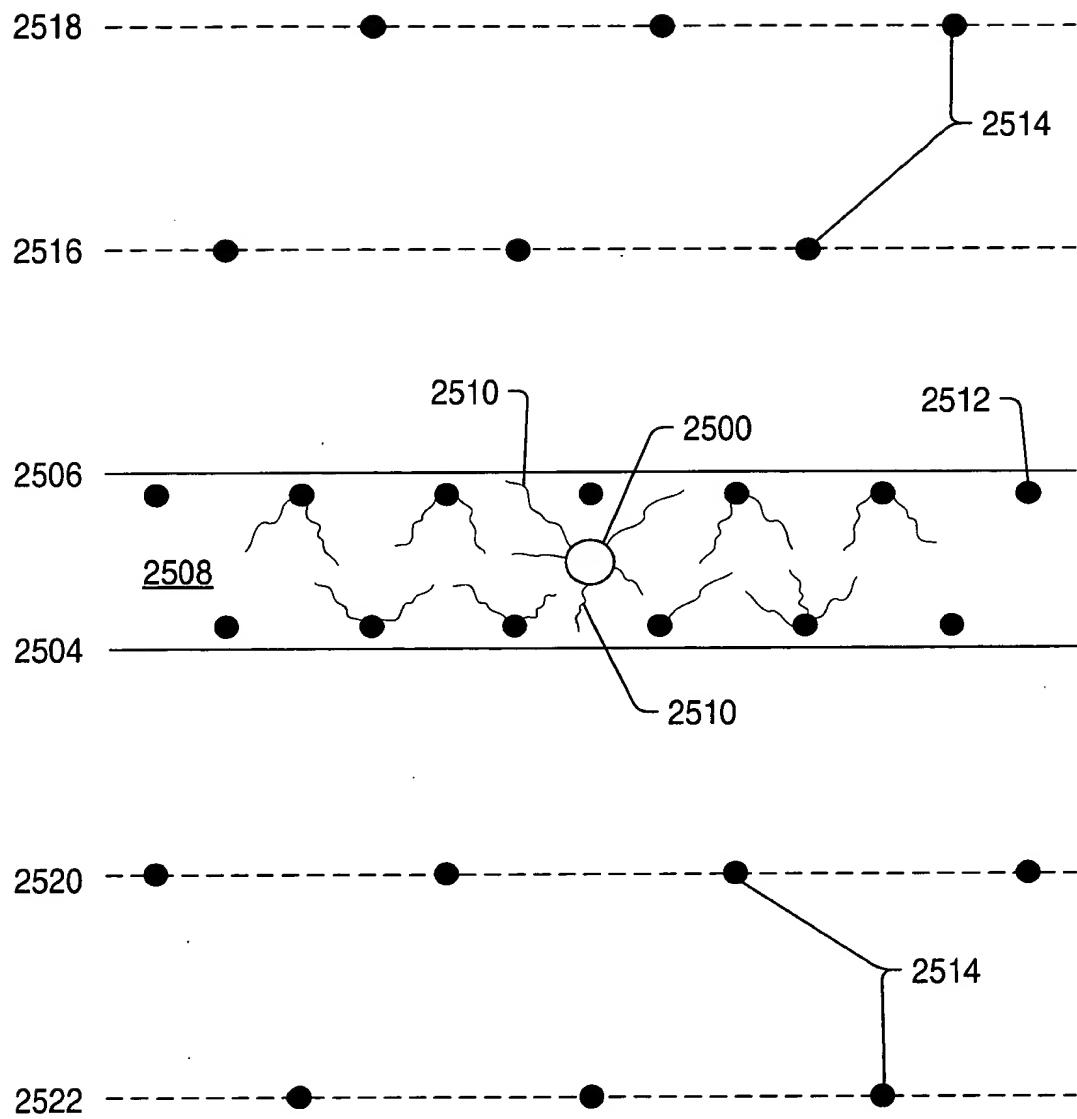


FIG. 53

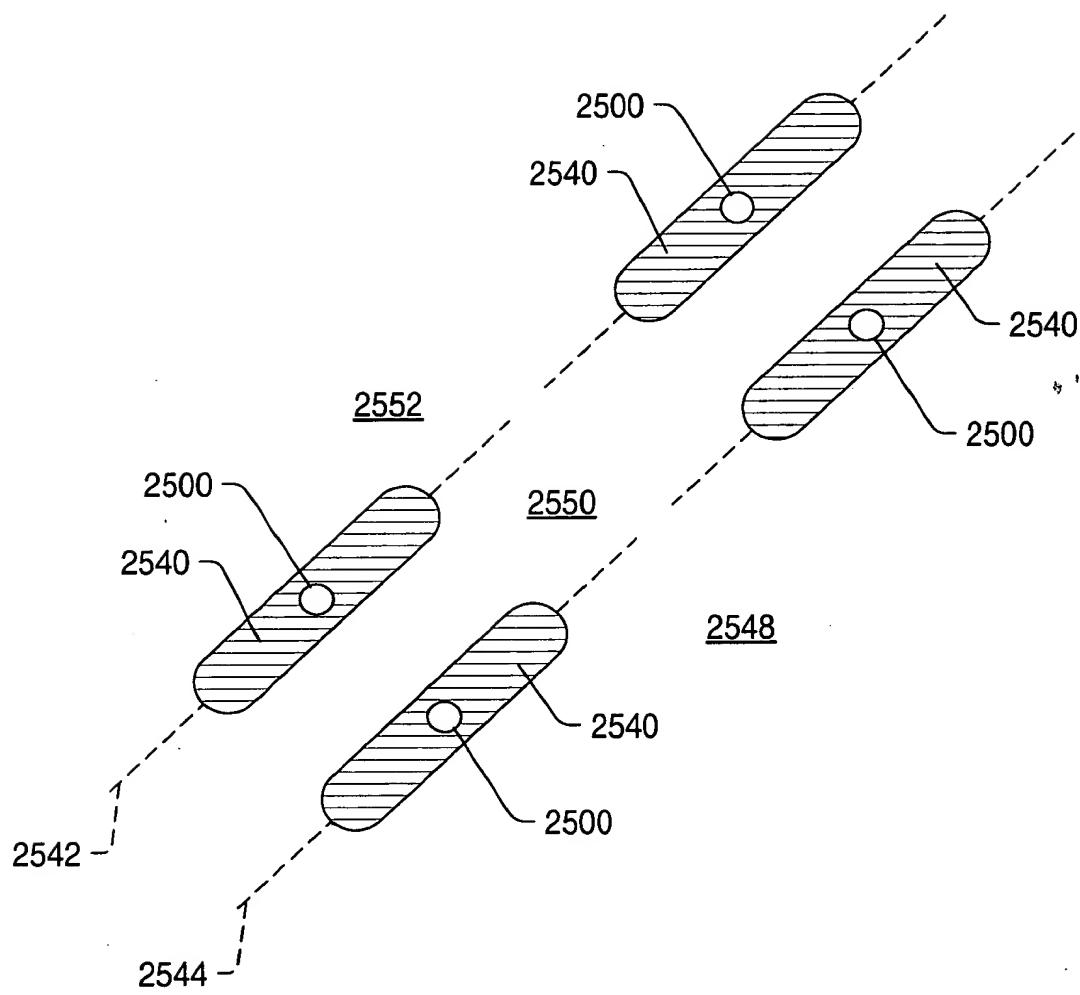


FIG. 54

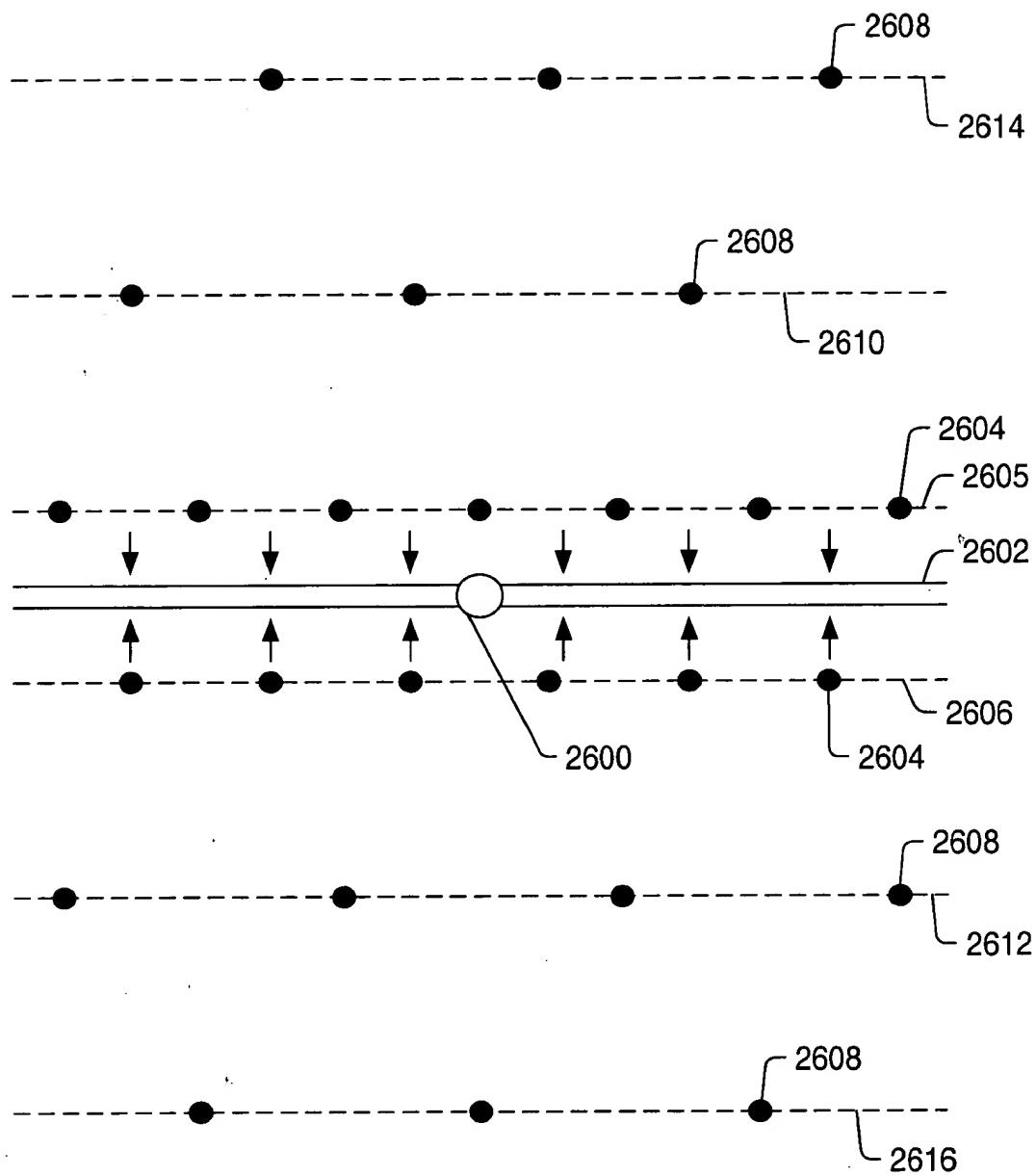


FIG. 55

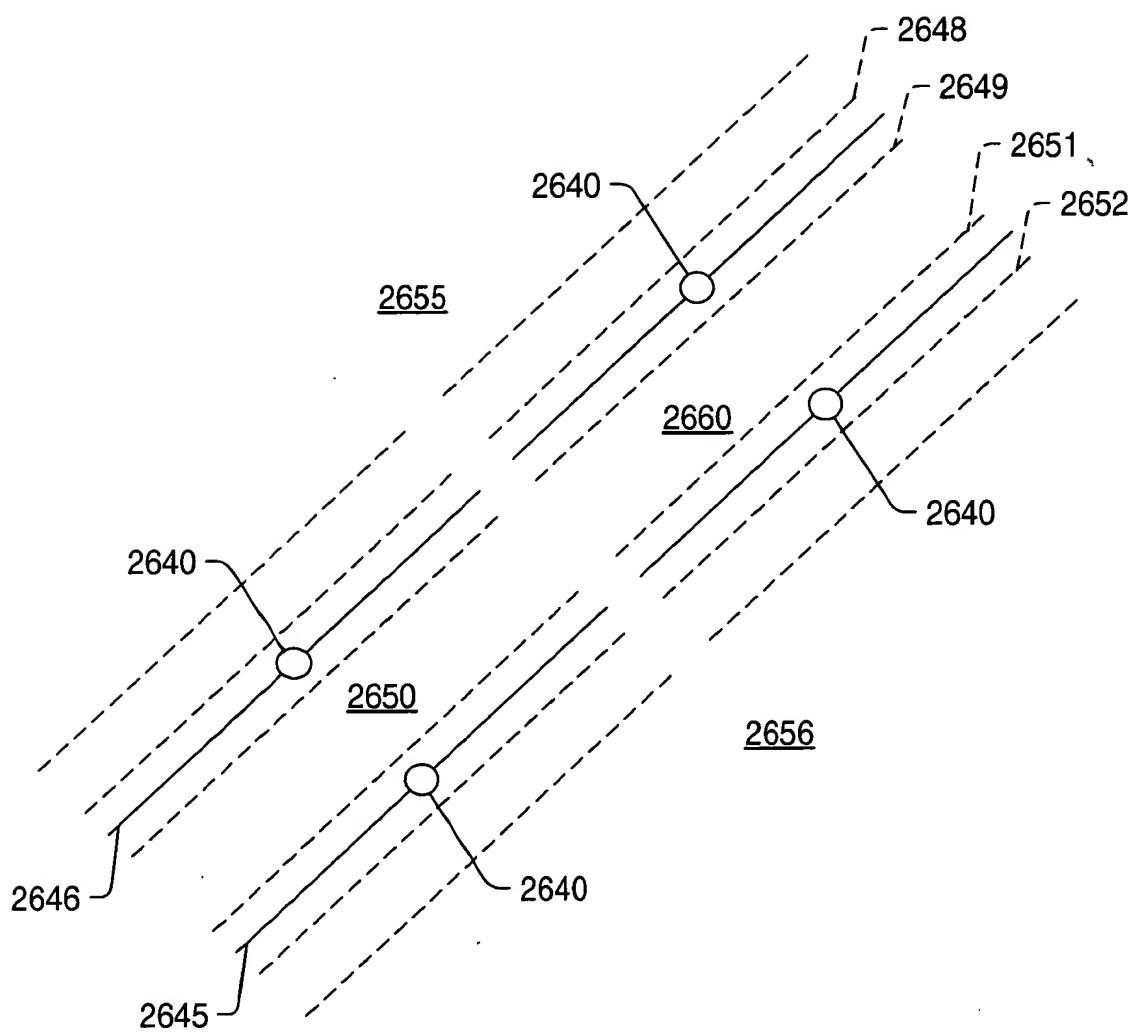


FIG. 56

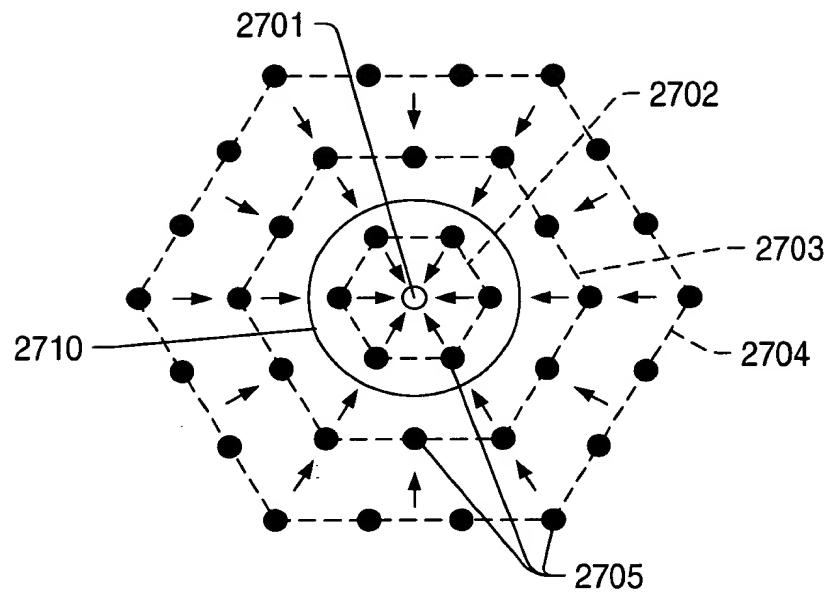


FIG. 57

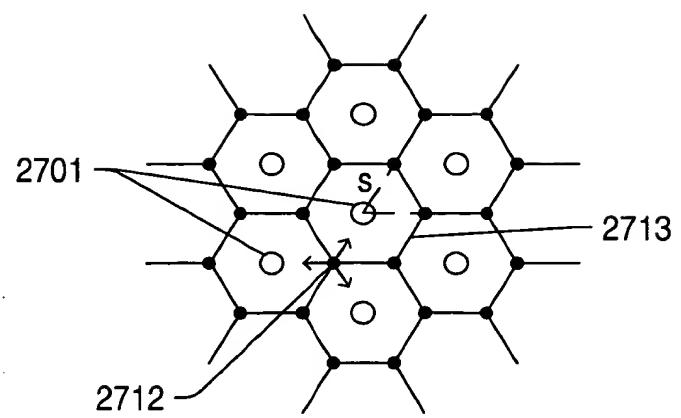


FIG. 58

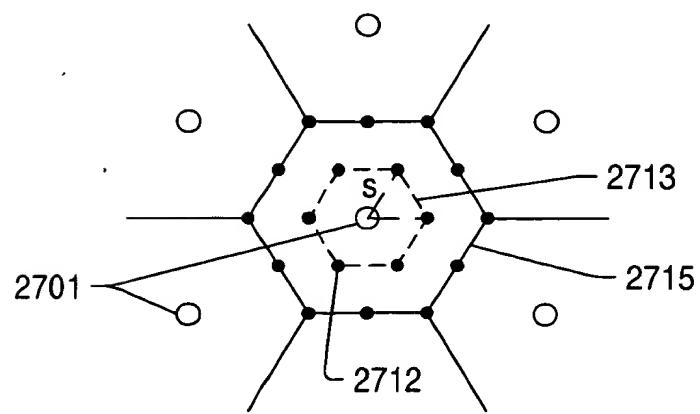


FIG. 59

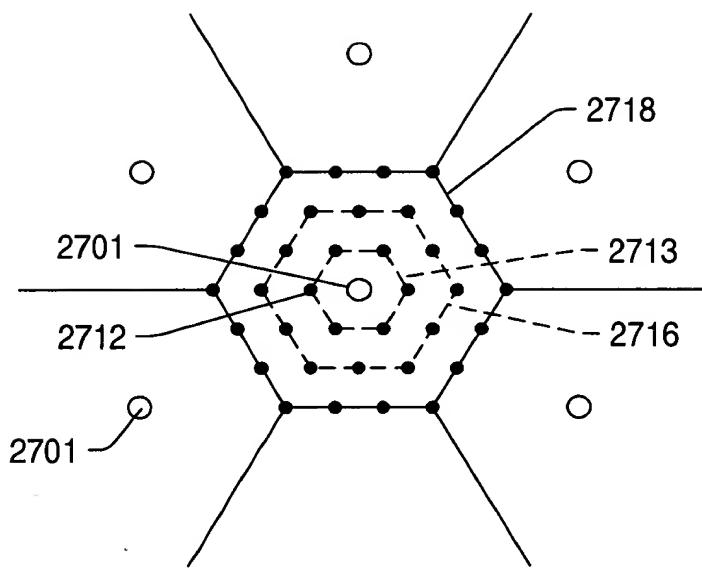


FIG. 60

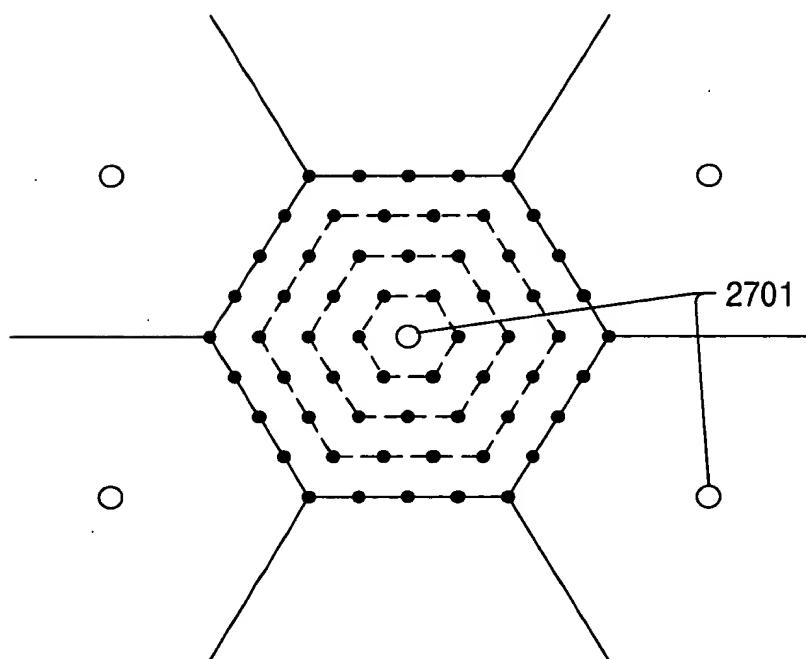


FIG. 61

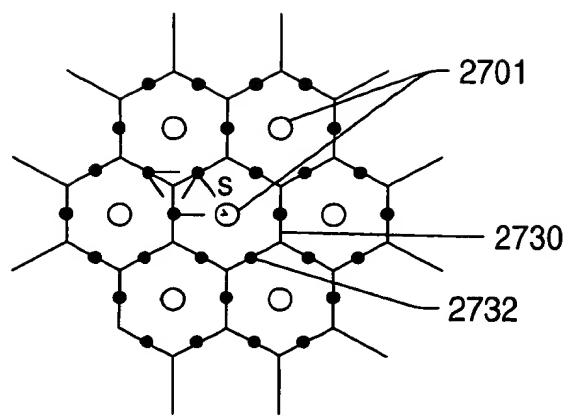


FIG. 62

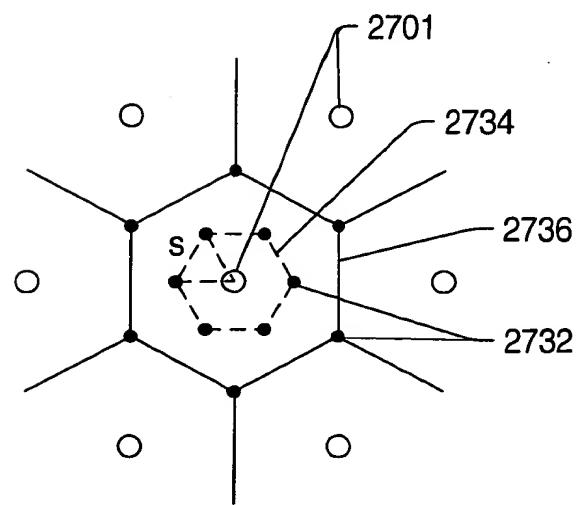


FIG. 63

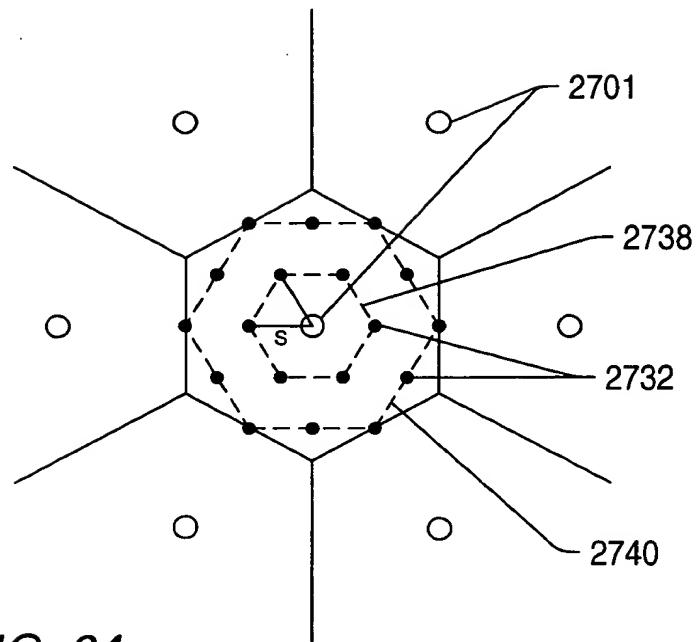


FIG. 64

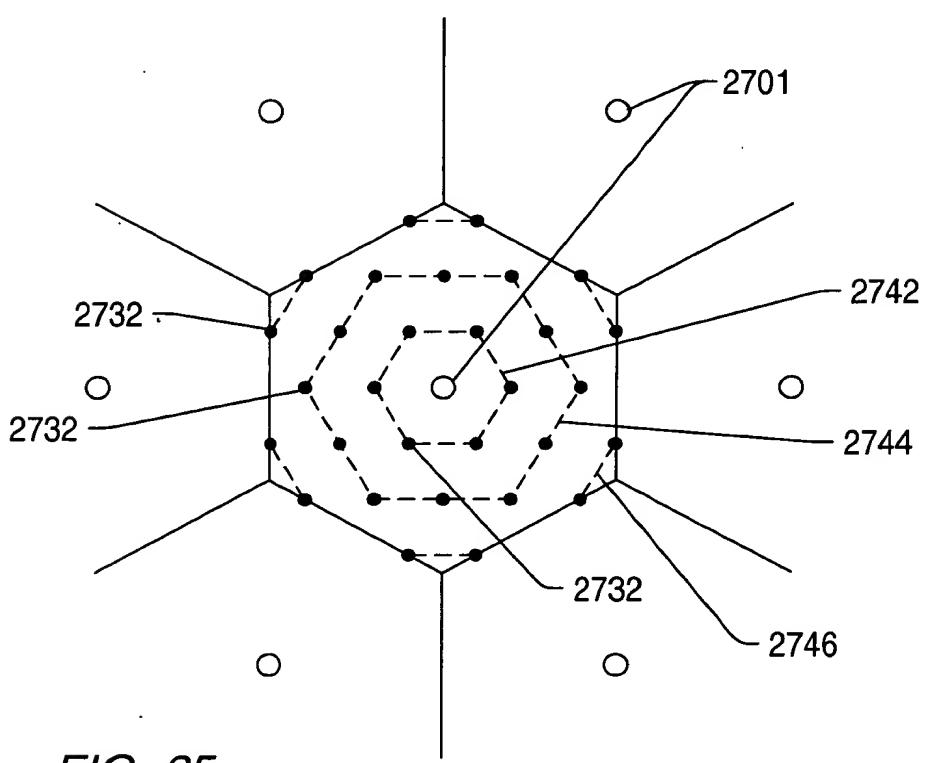


FIG. 65

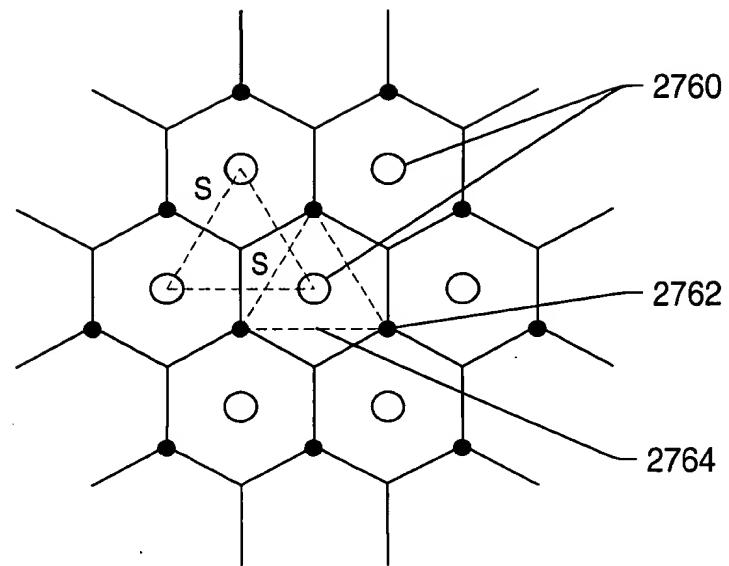


FIG. 66

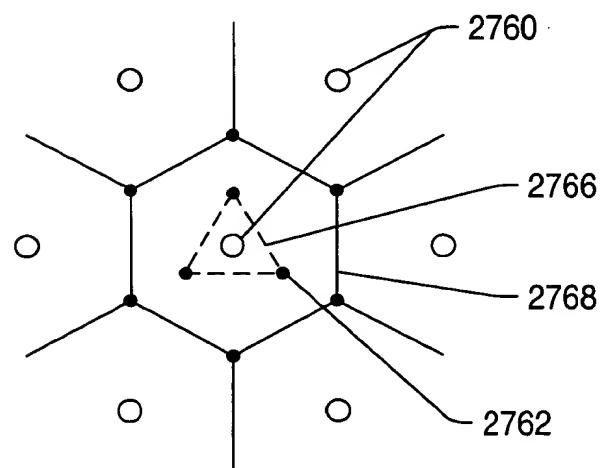


FIG. 67

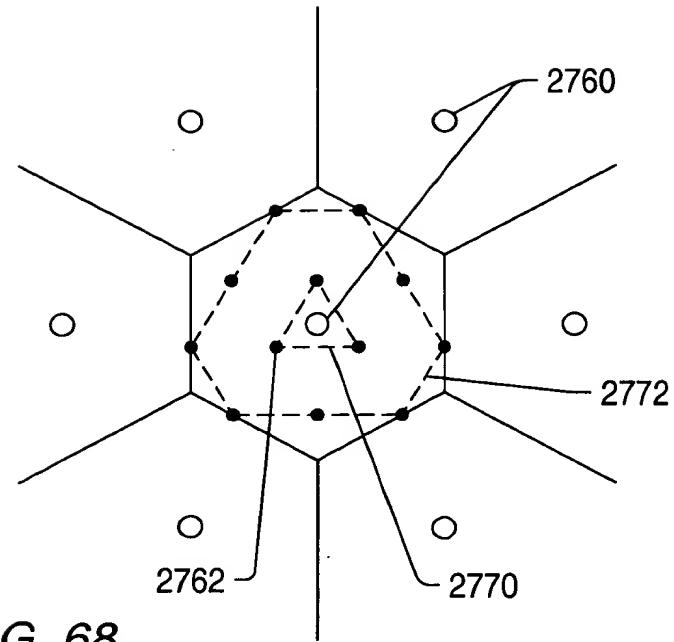


FIG. 68

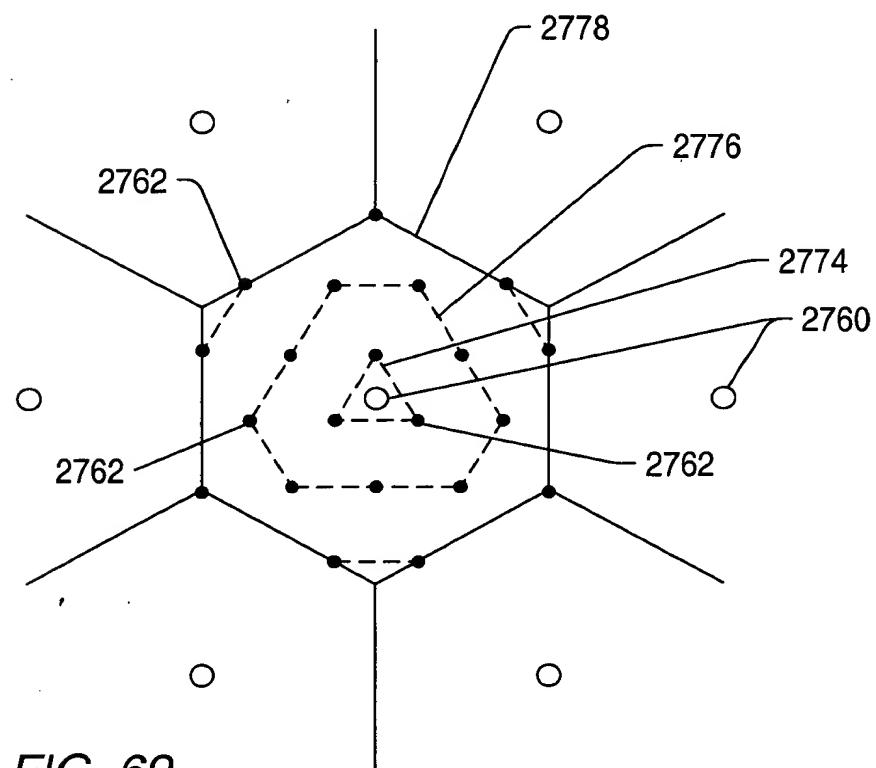


FIG. 69

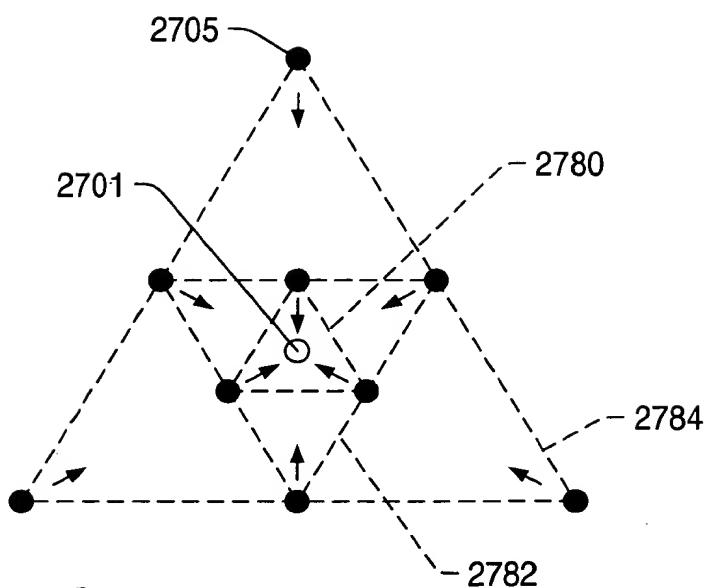
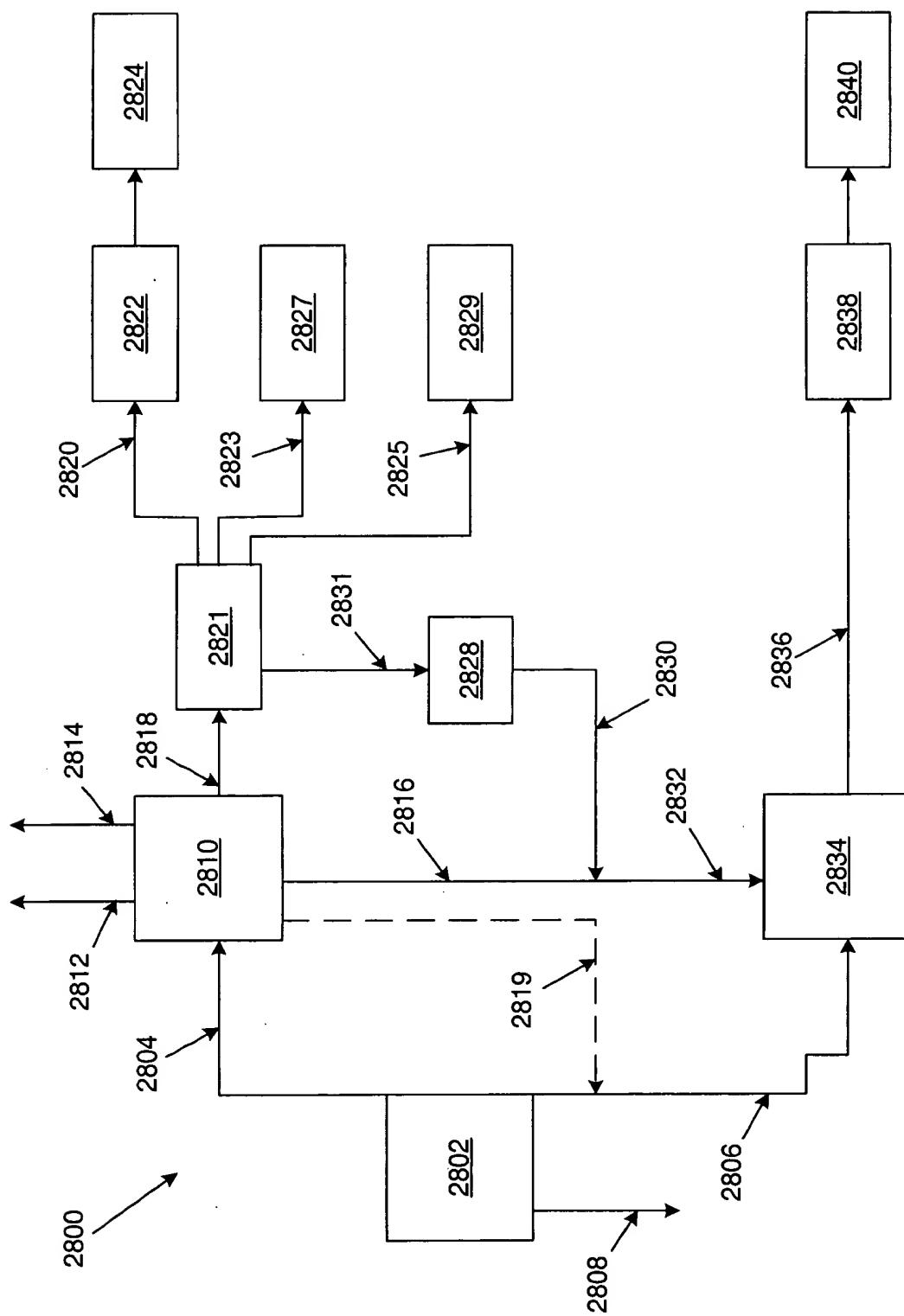


FIG. 70

Fig. 71



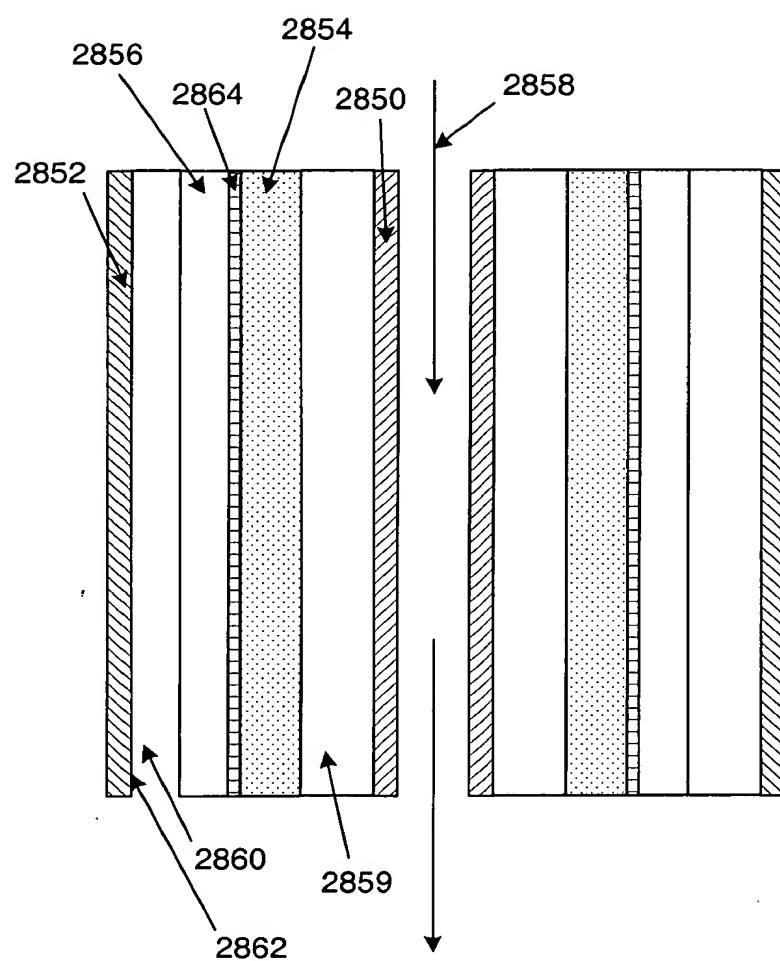


Fig. 72

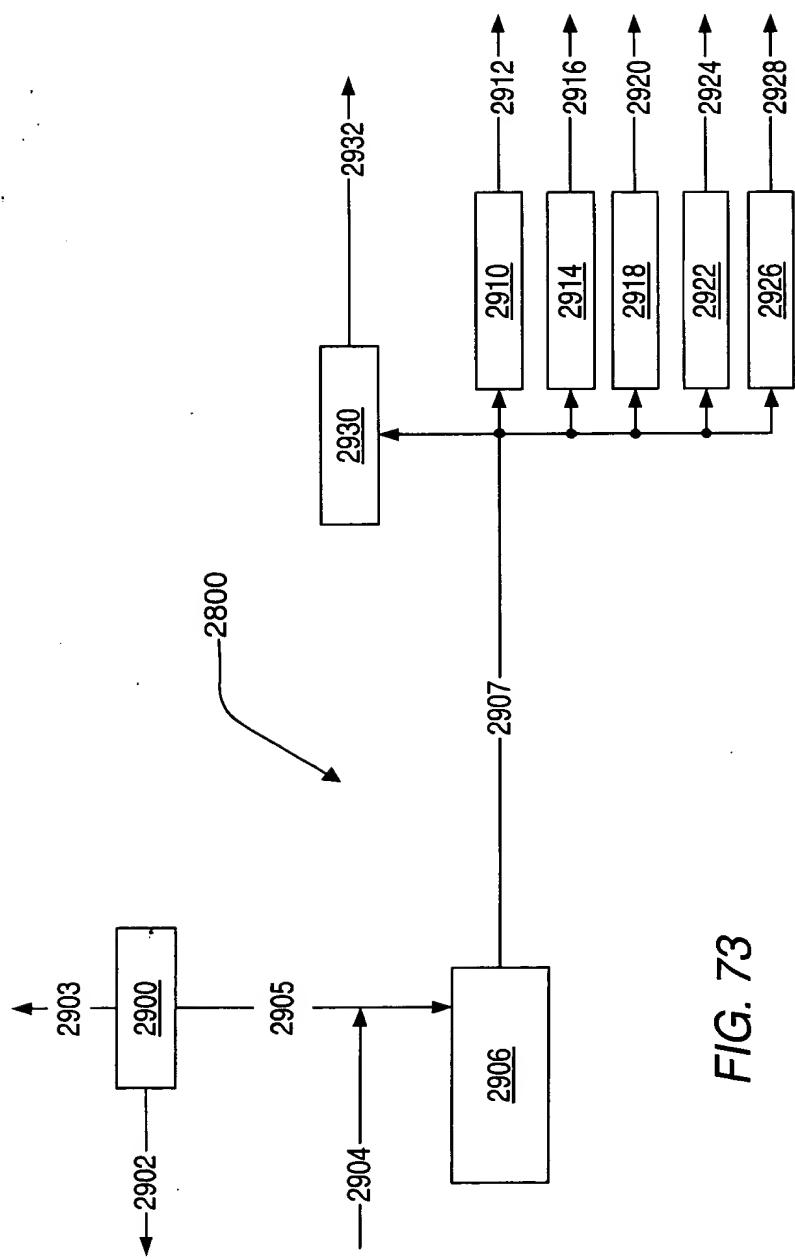


FIG. 73

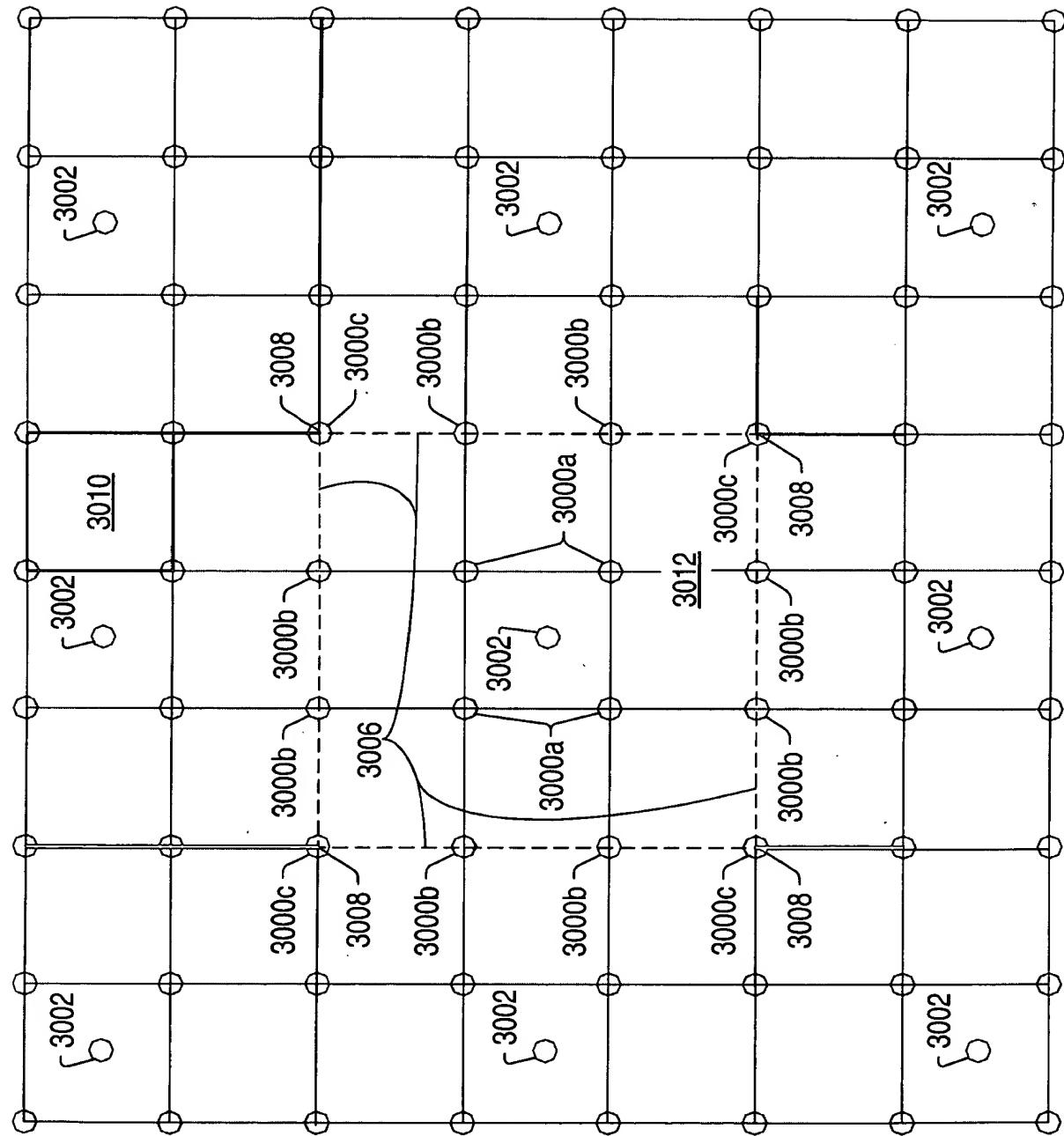


FIG. 74

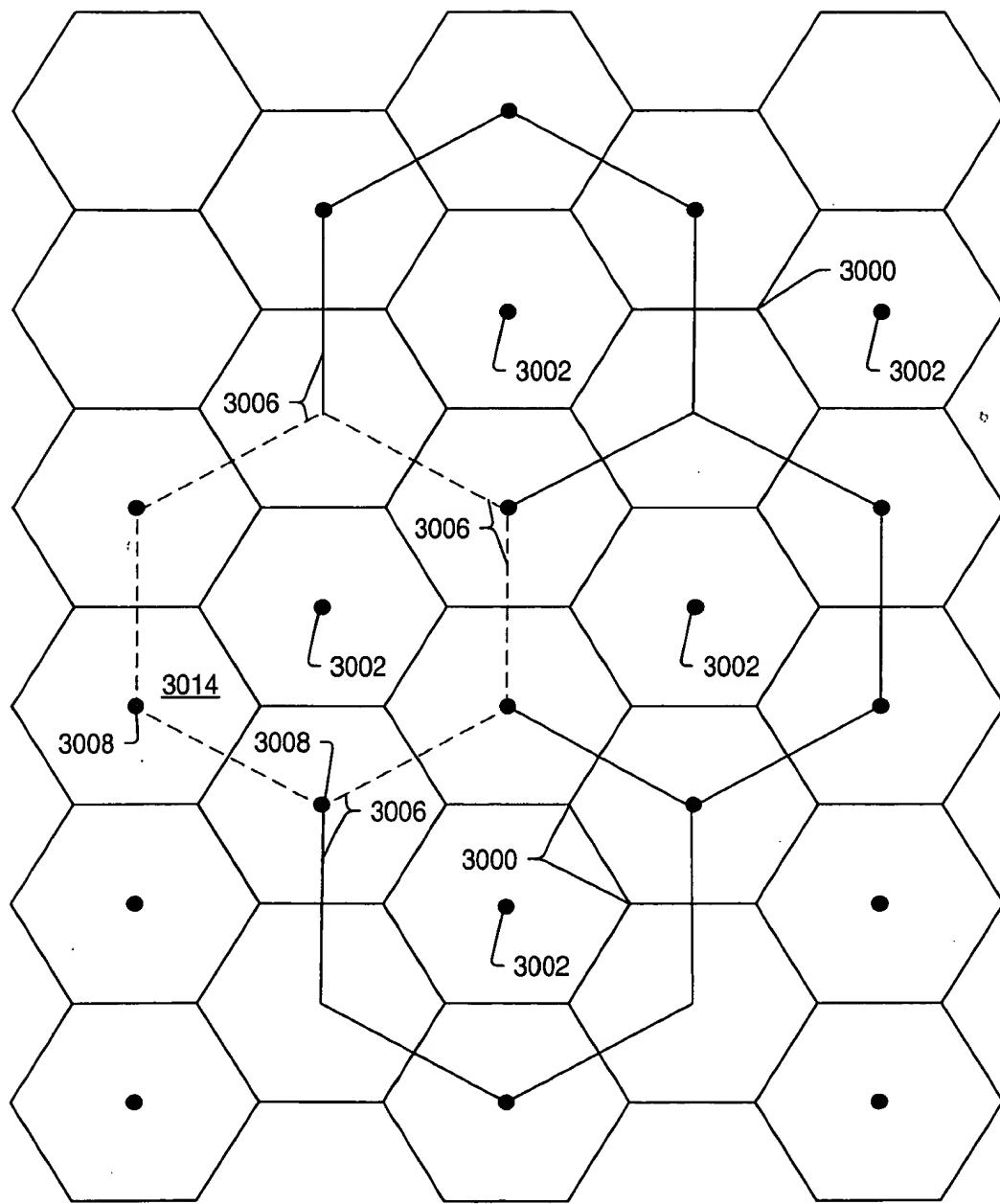


FIG. 75

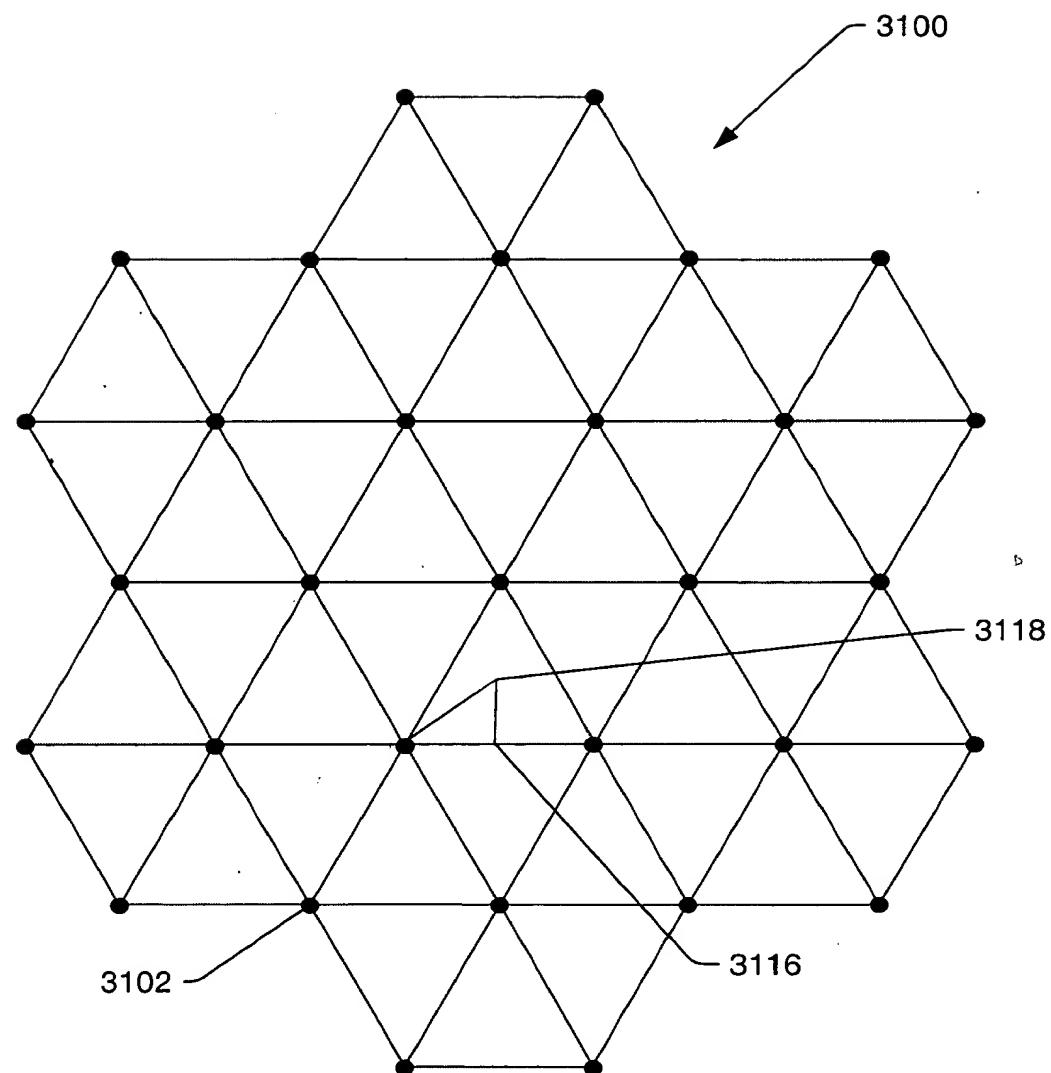


FIG. 76

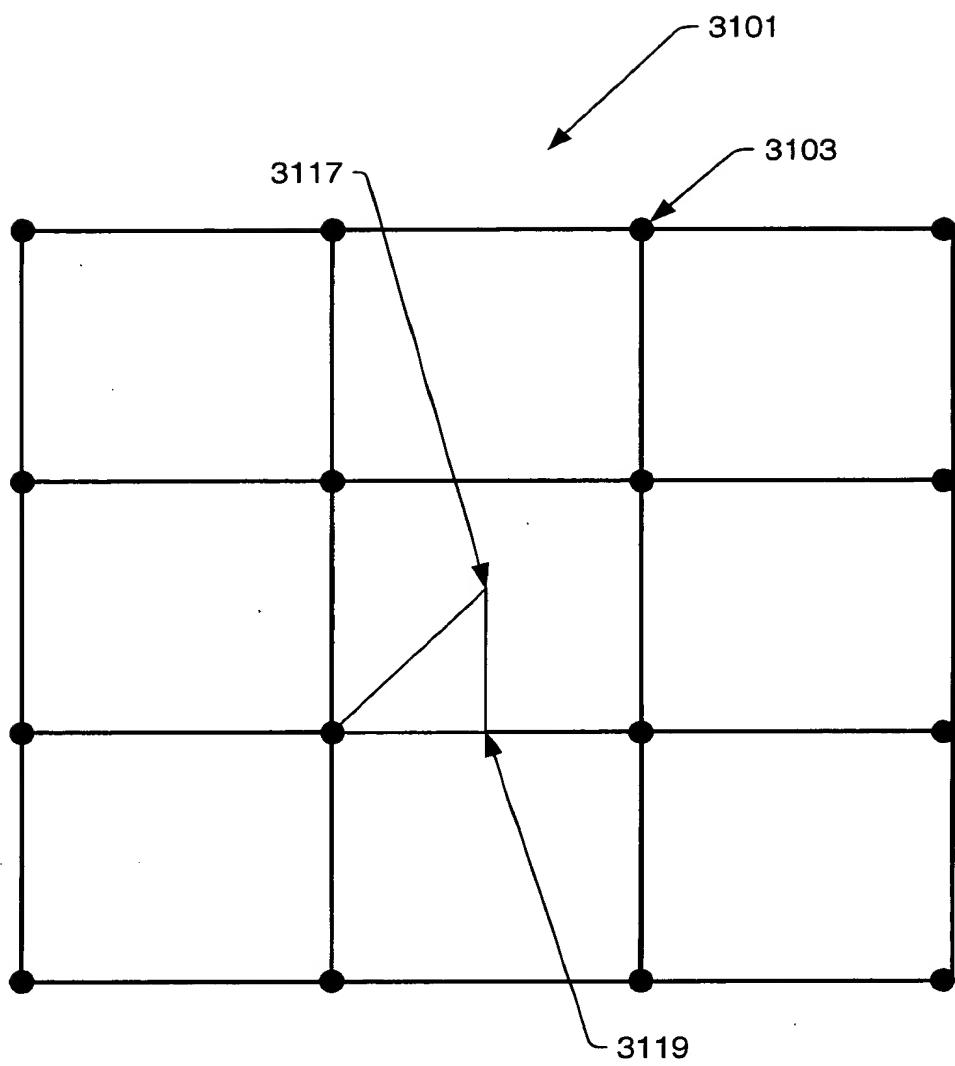


FIG. 76a

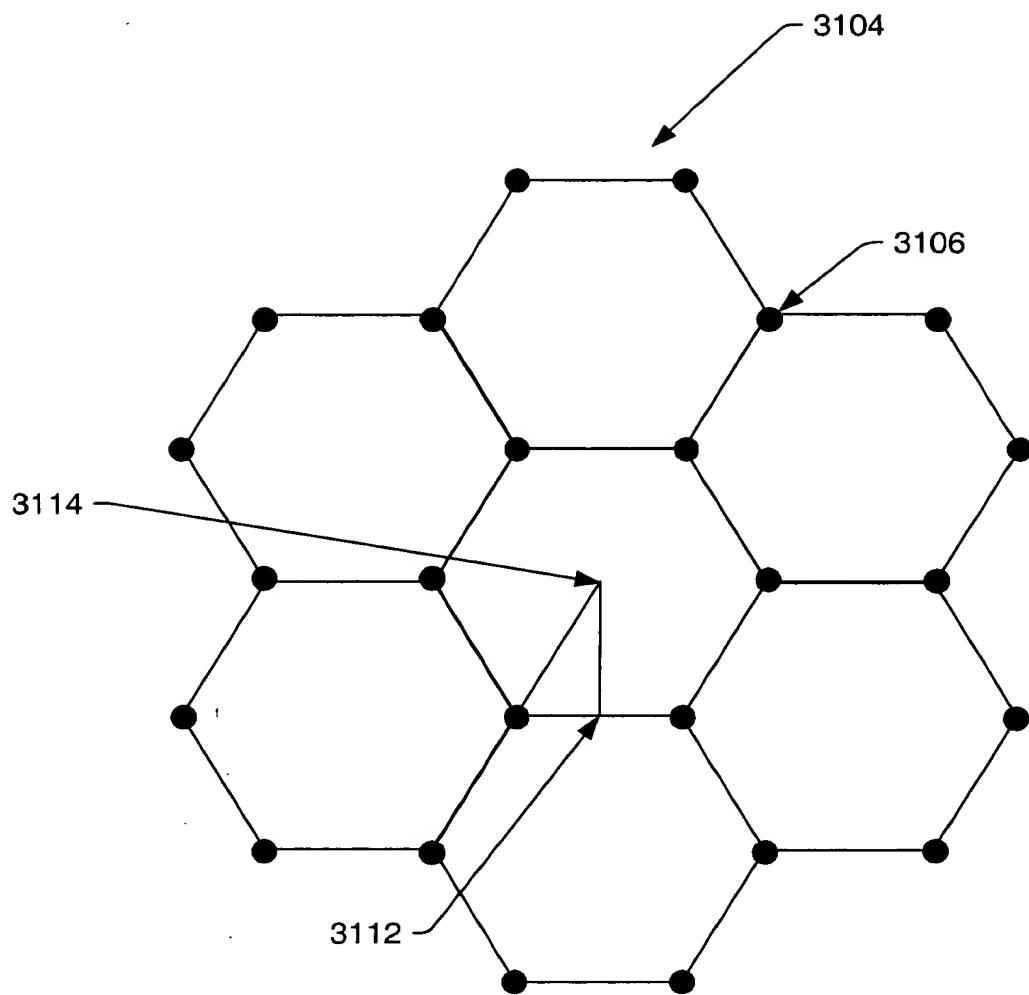


FIG. 77

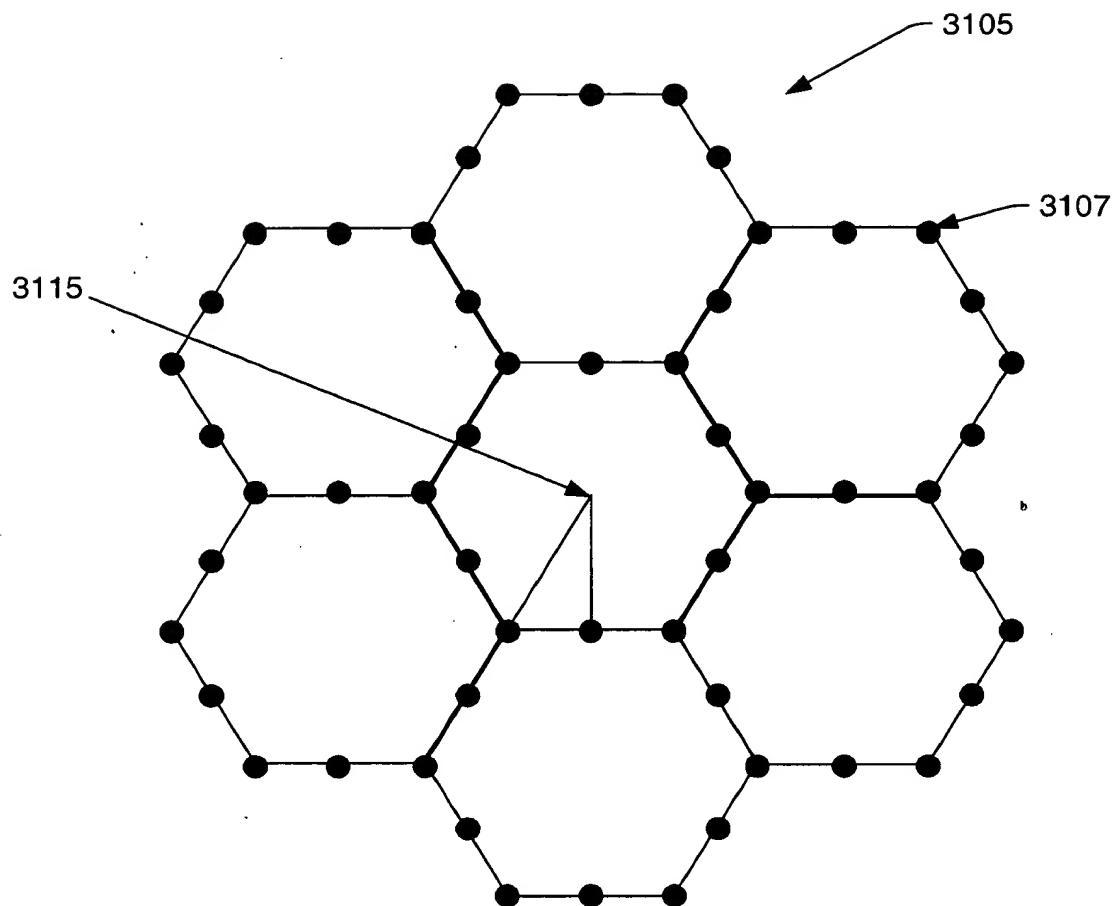


FIG. 77a

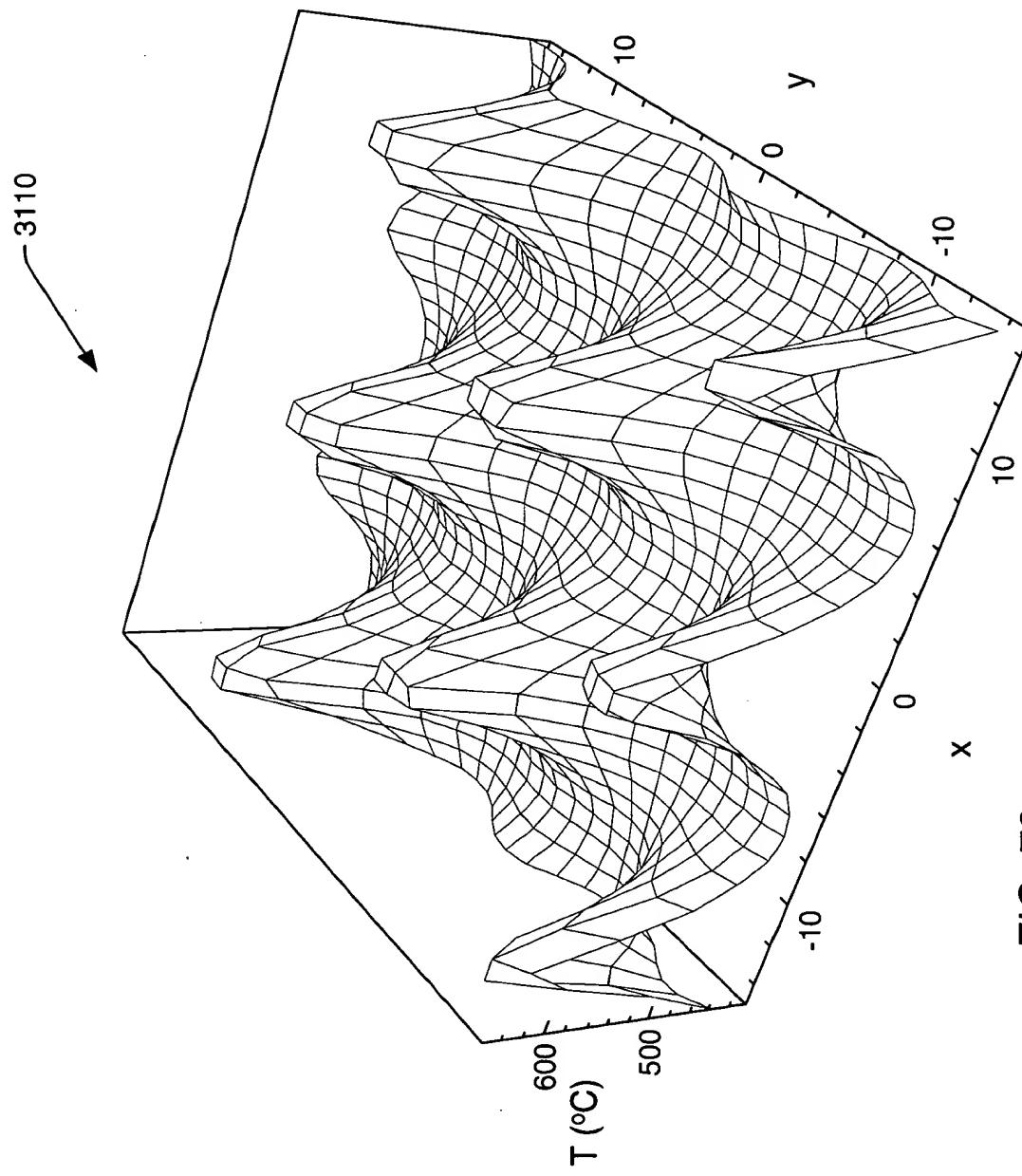


FIG. 78

3108

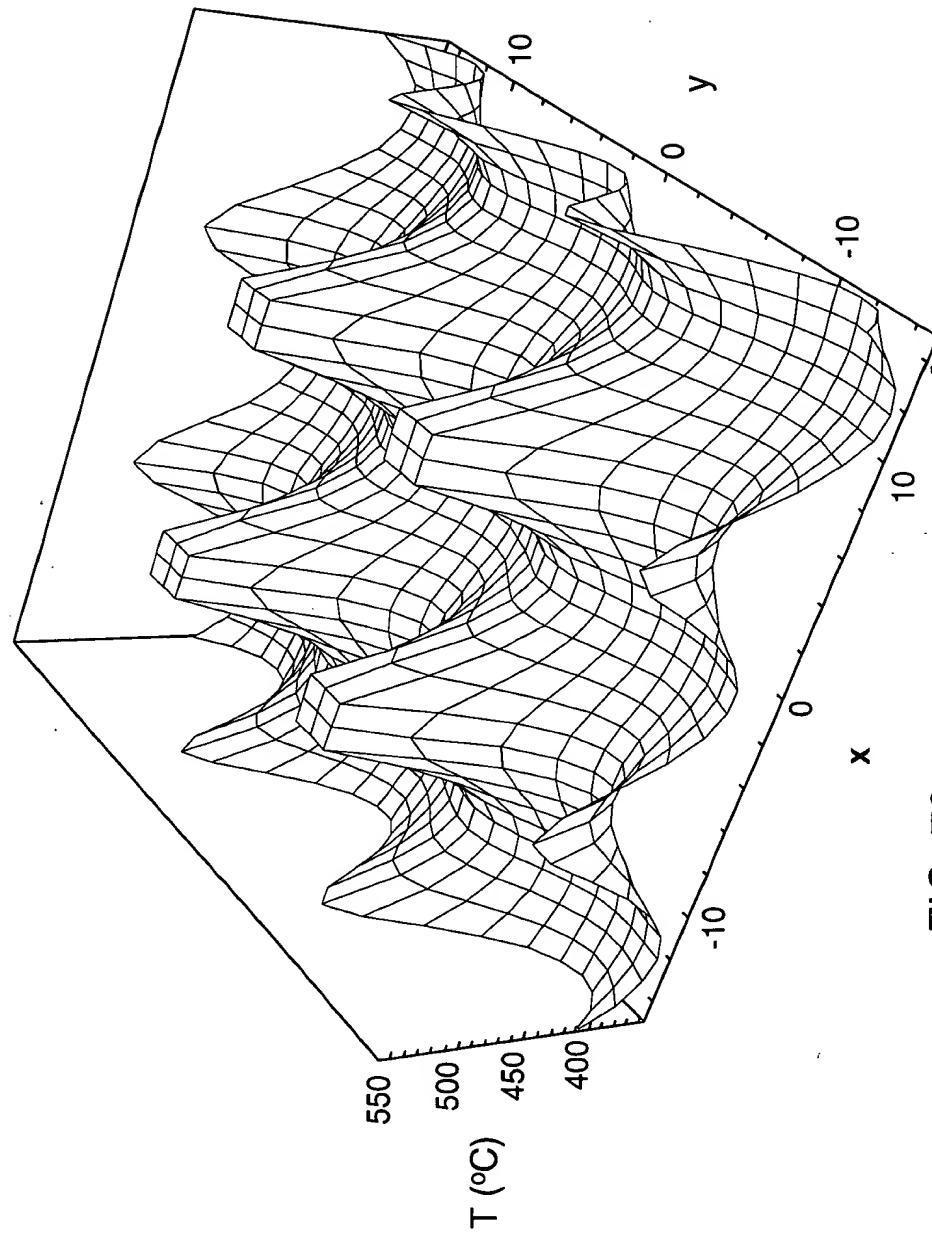


FIG. 79

3109

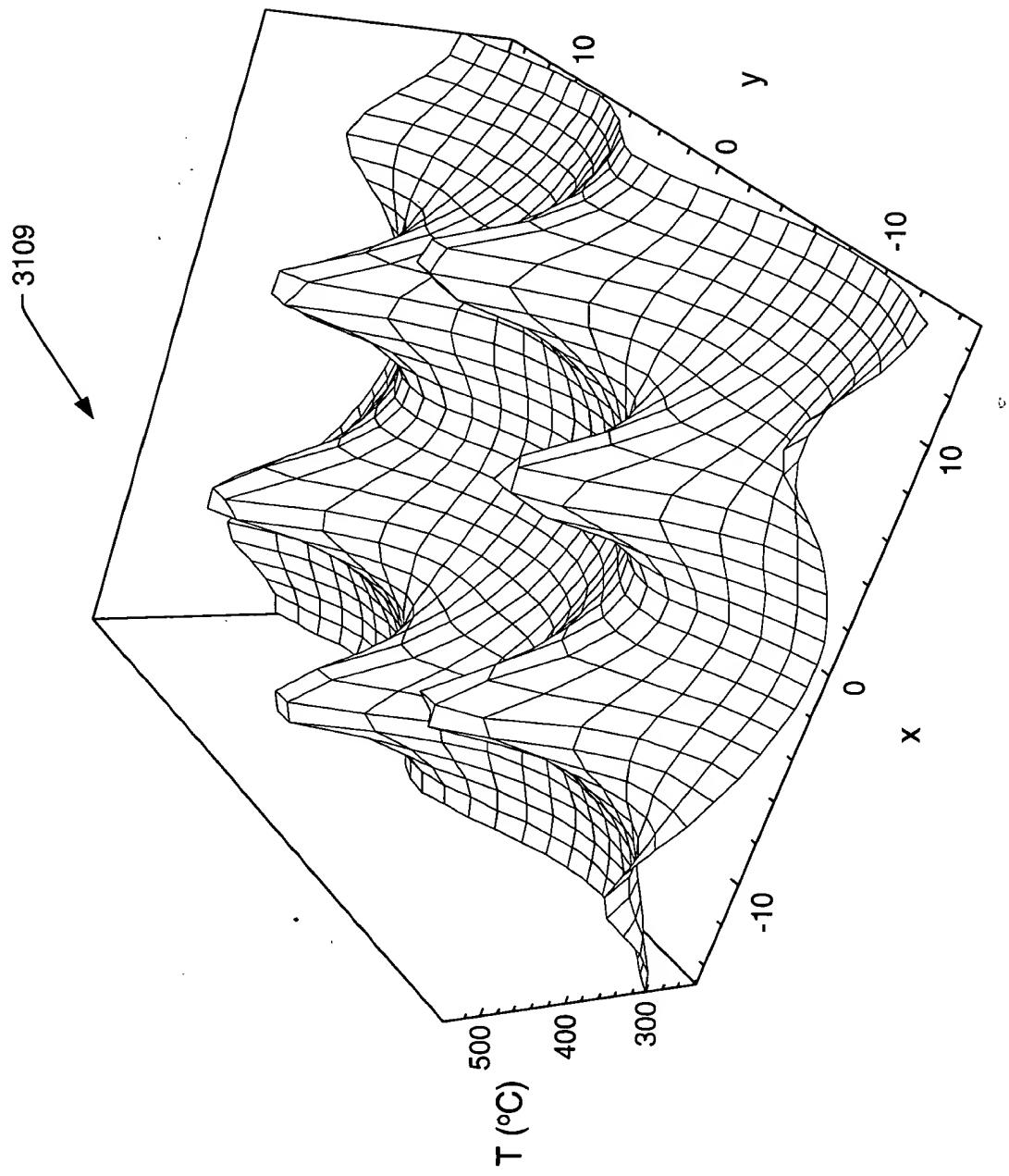


FIG. 79a

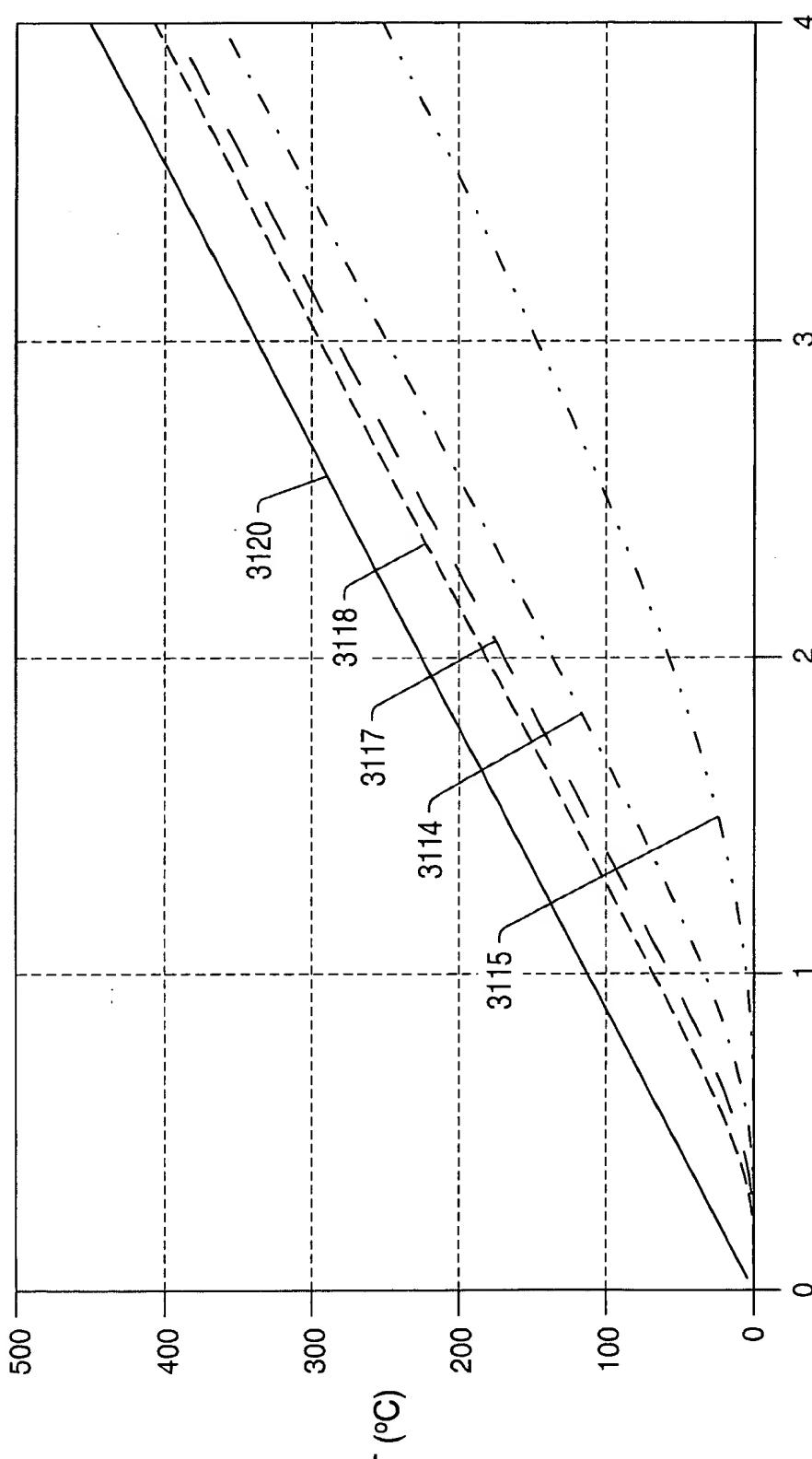


FIG. 80
t (years)

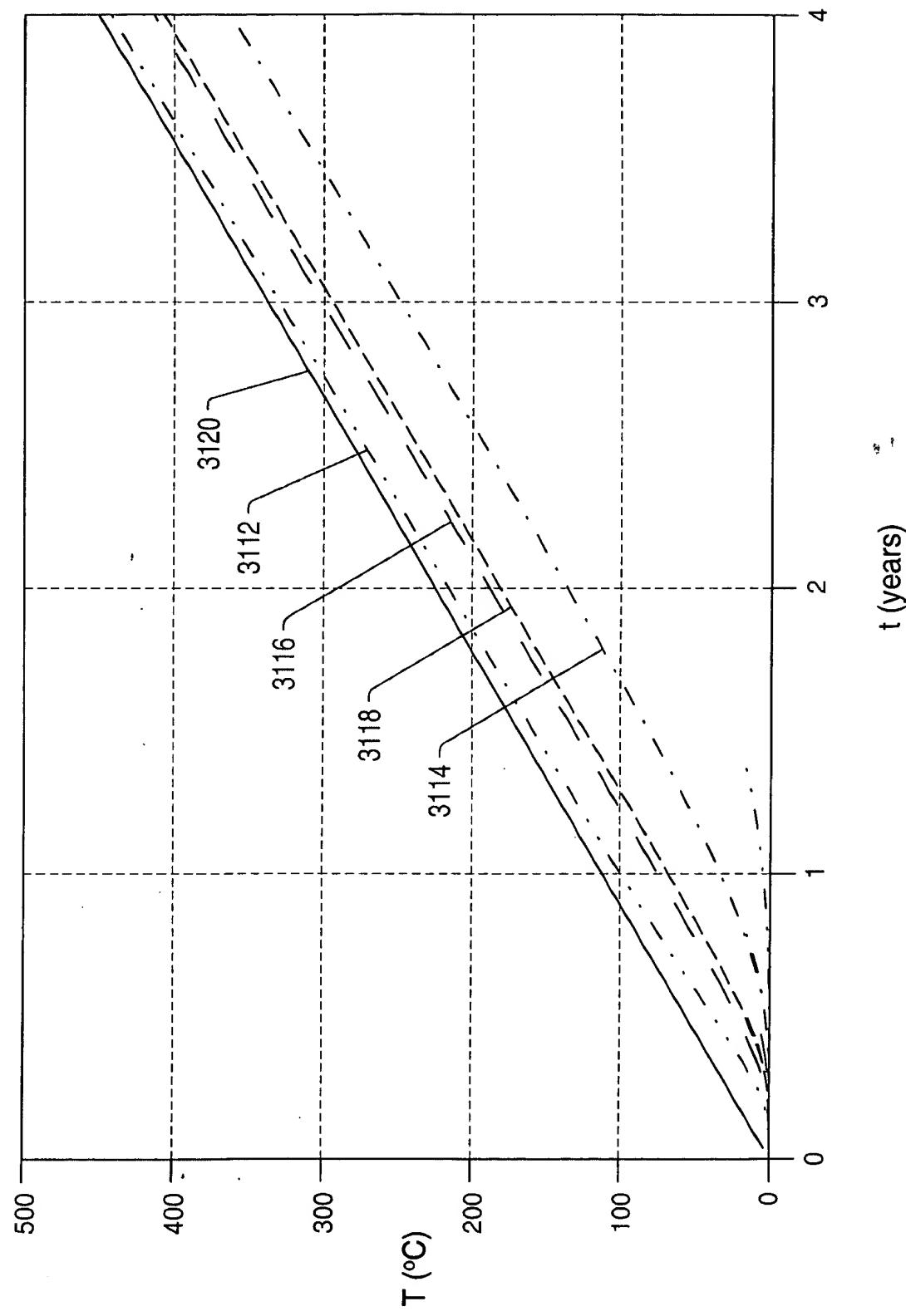


FIG. 81

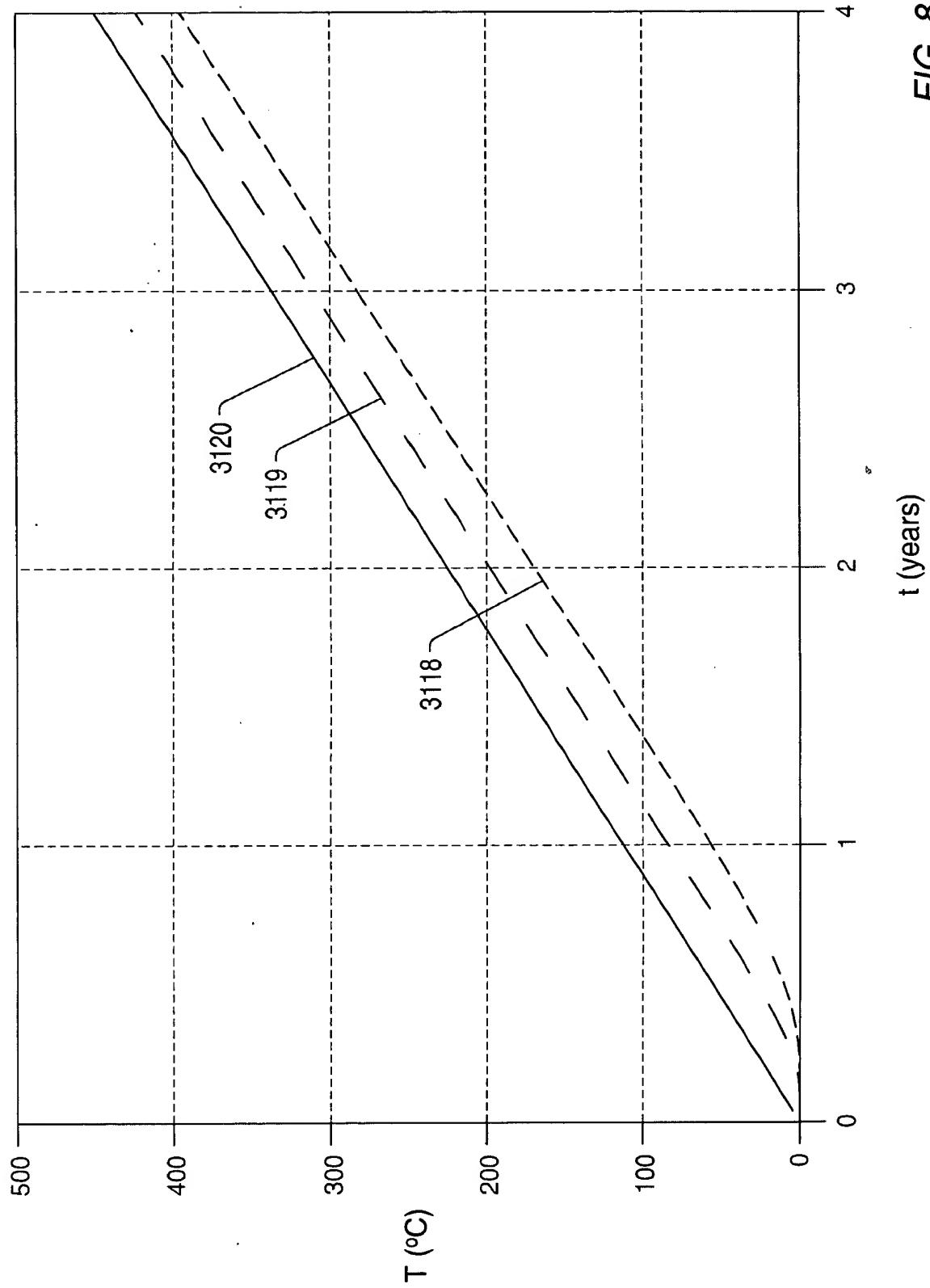
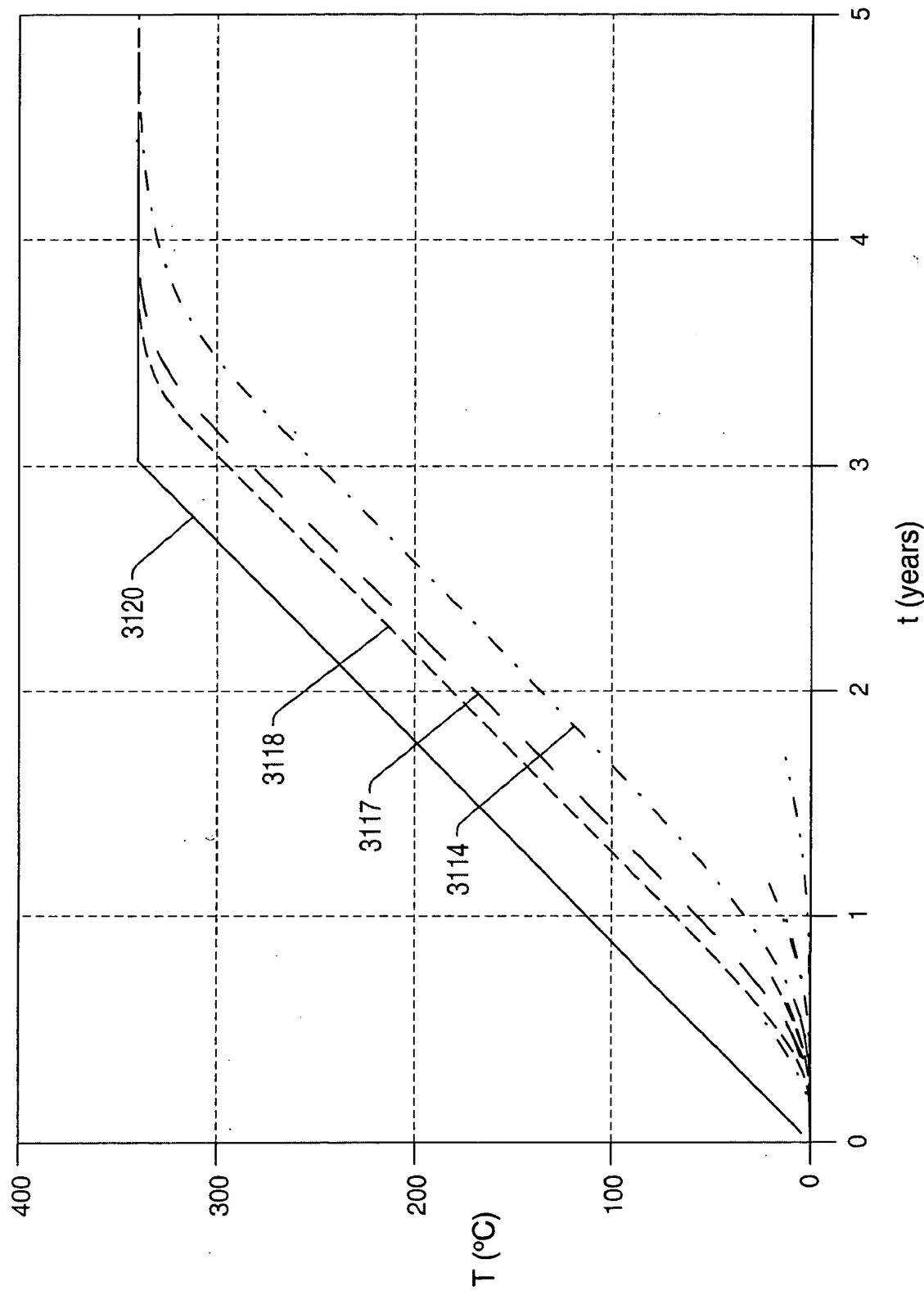


FIG. 81a

FIG. 81b



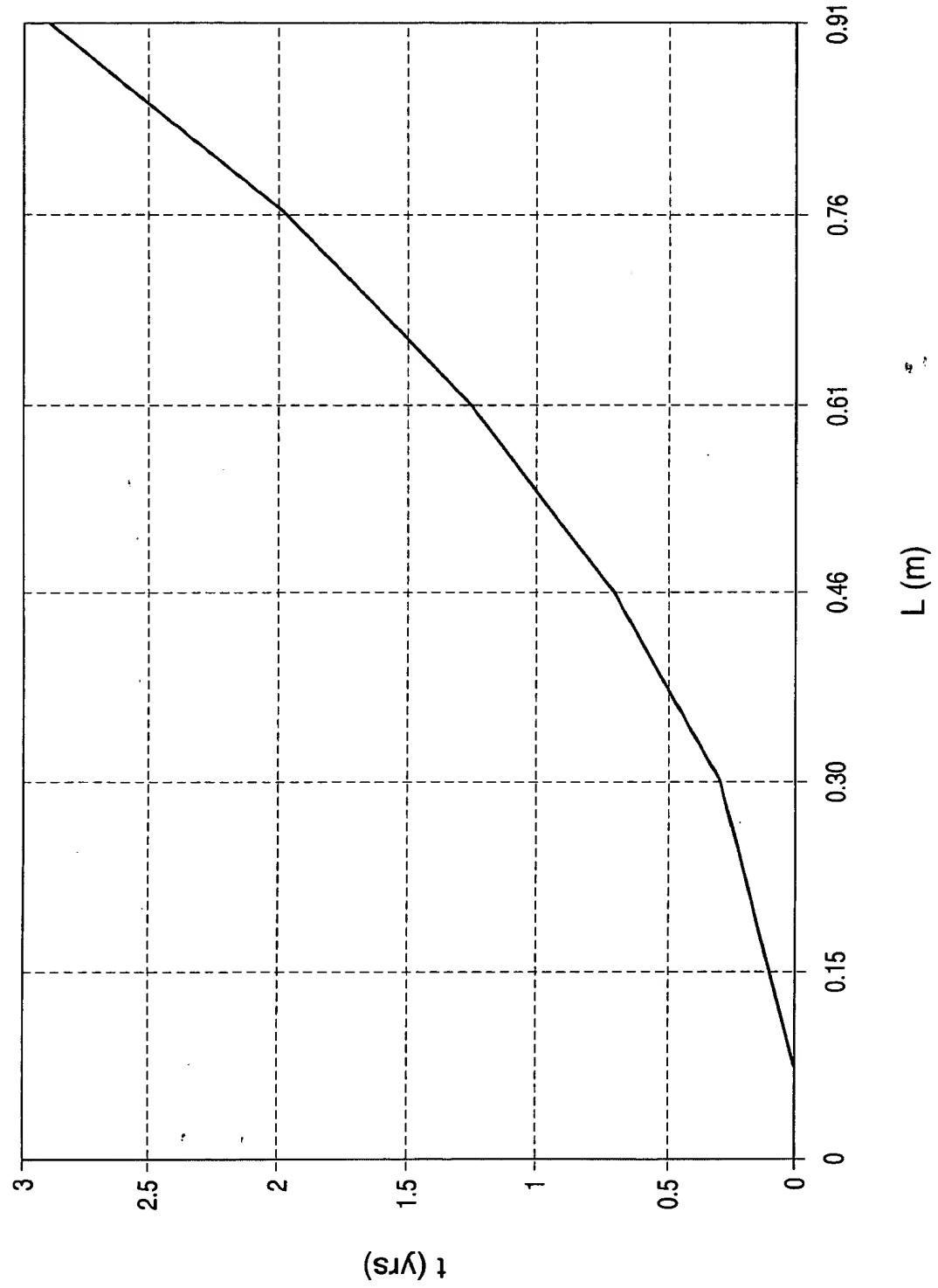


FIG. 82

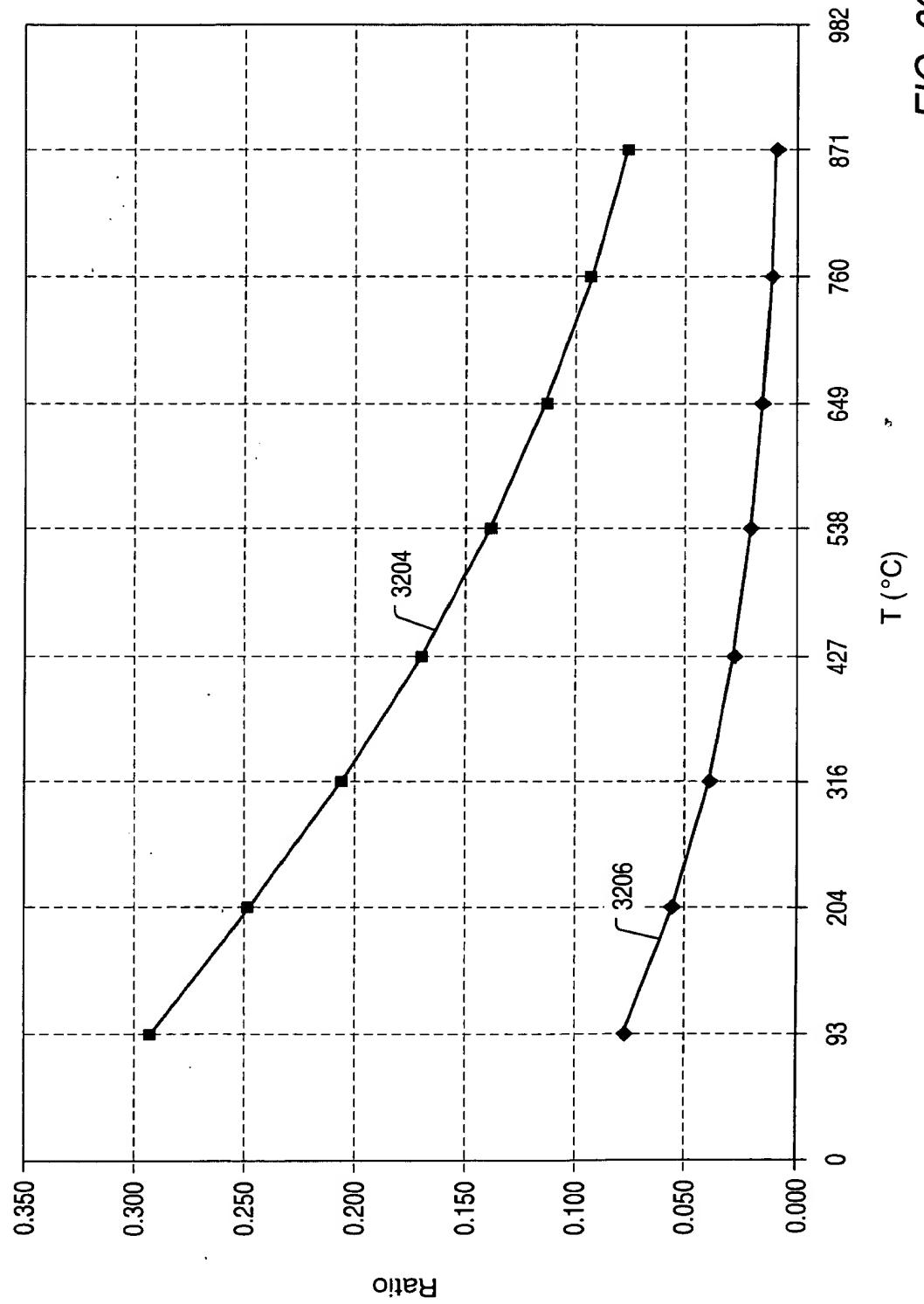


FIG. 83

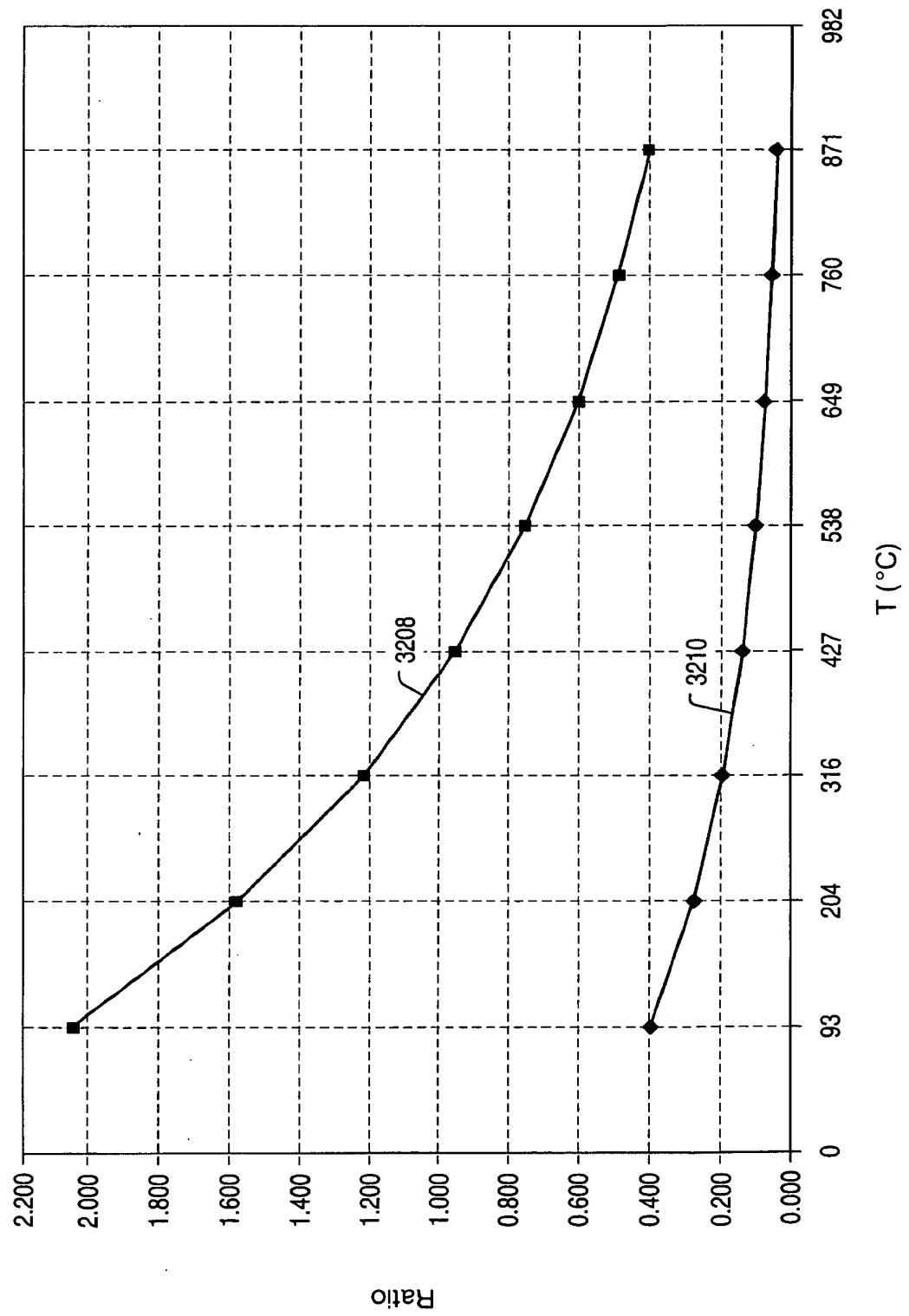


FIG. 84

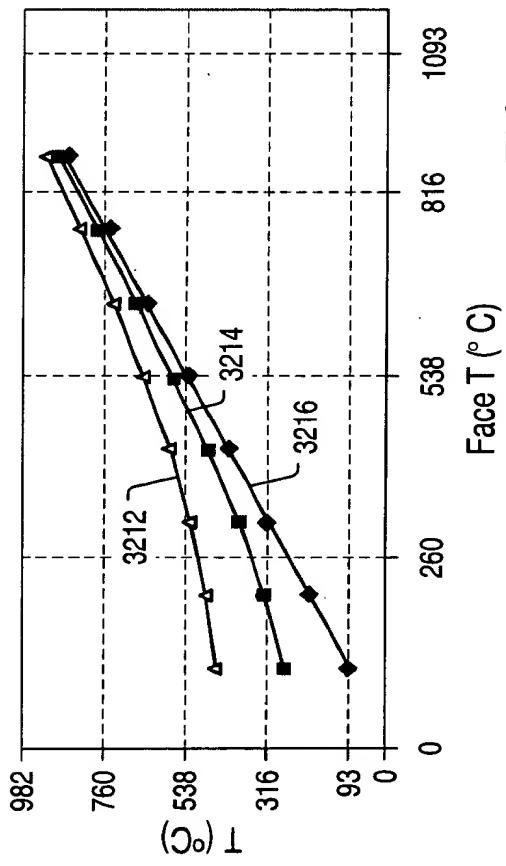


FIG. 85

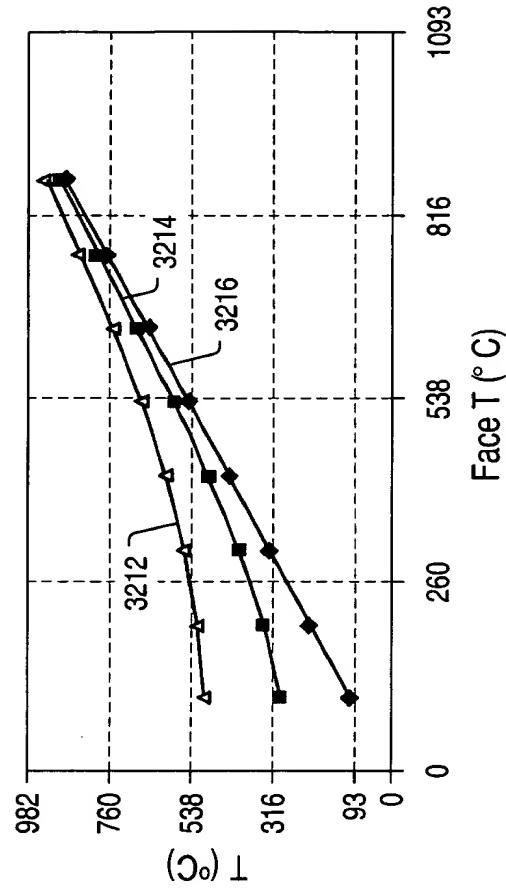


FIG. 86

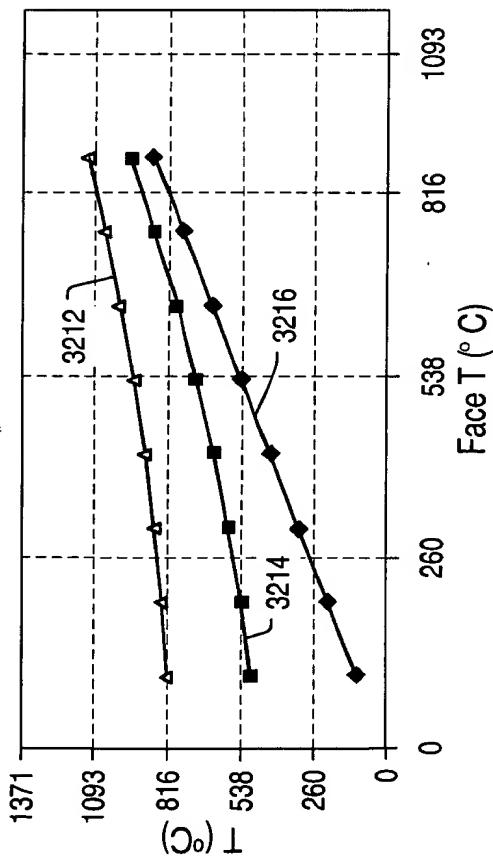


FIG. 87

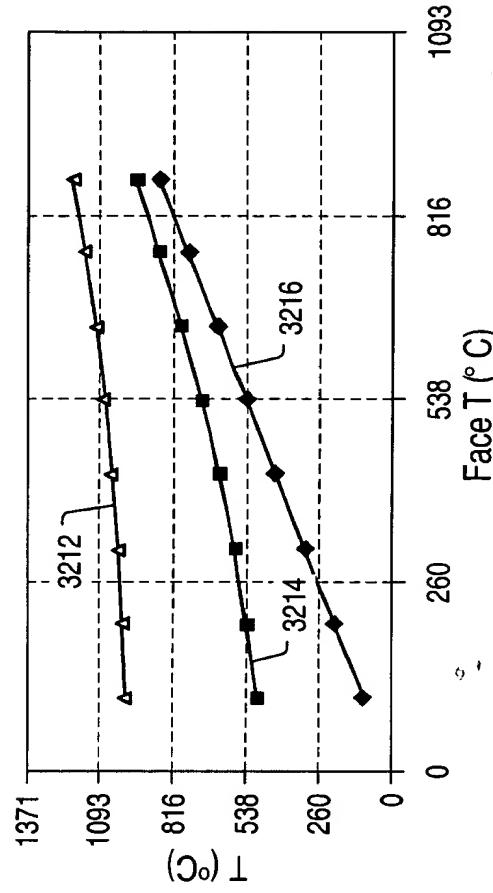


FIG. 88

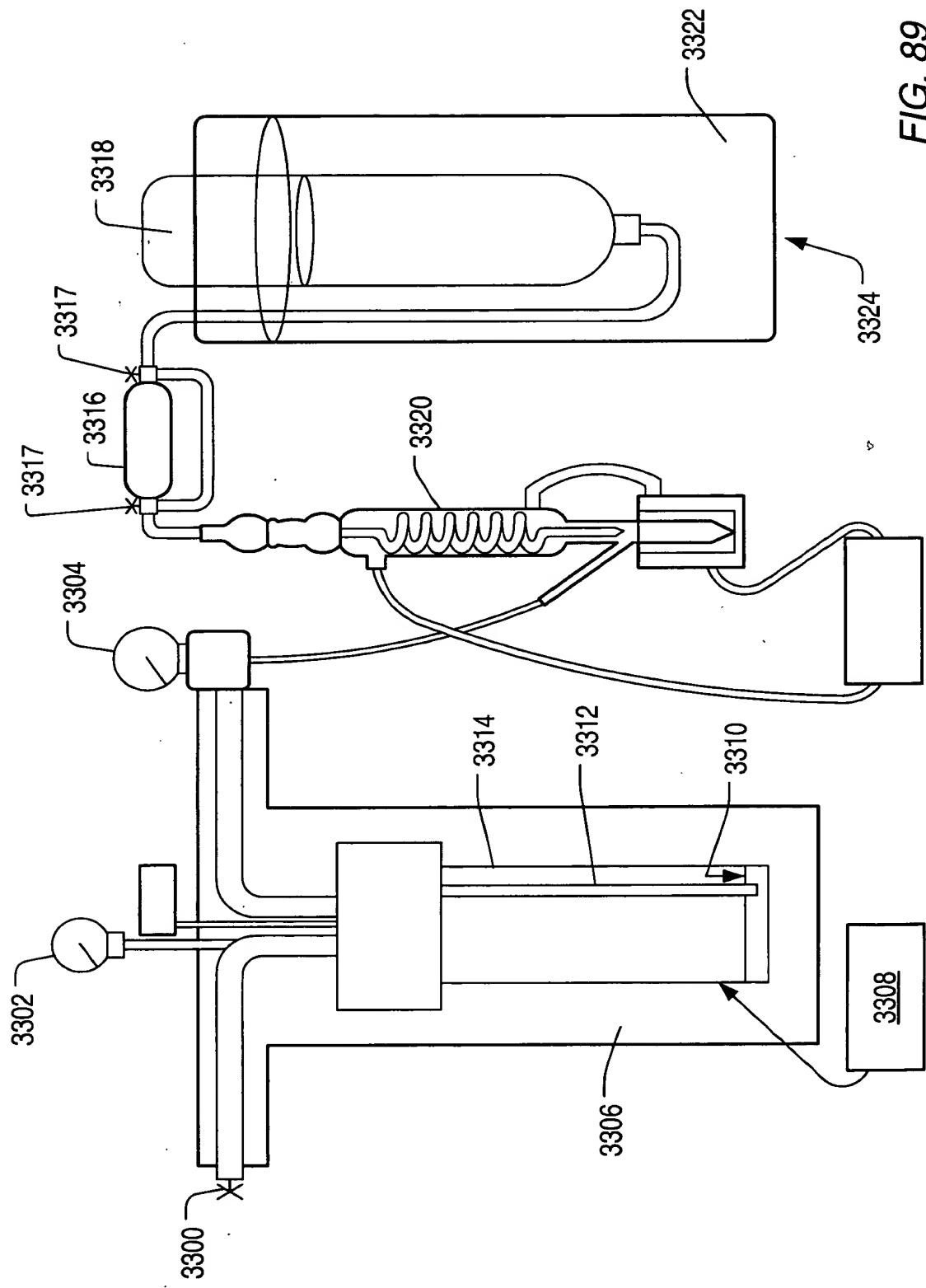


FIG. 89

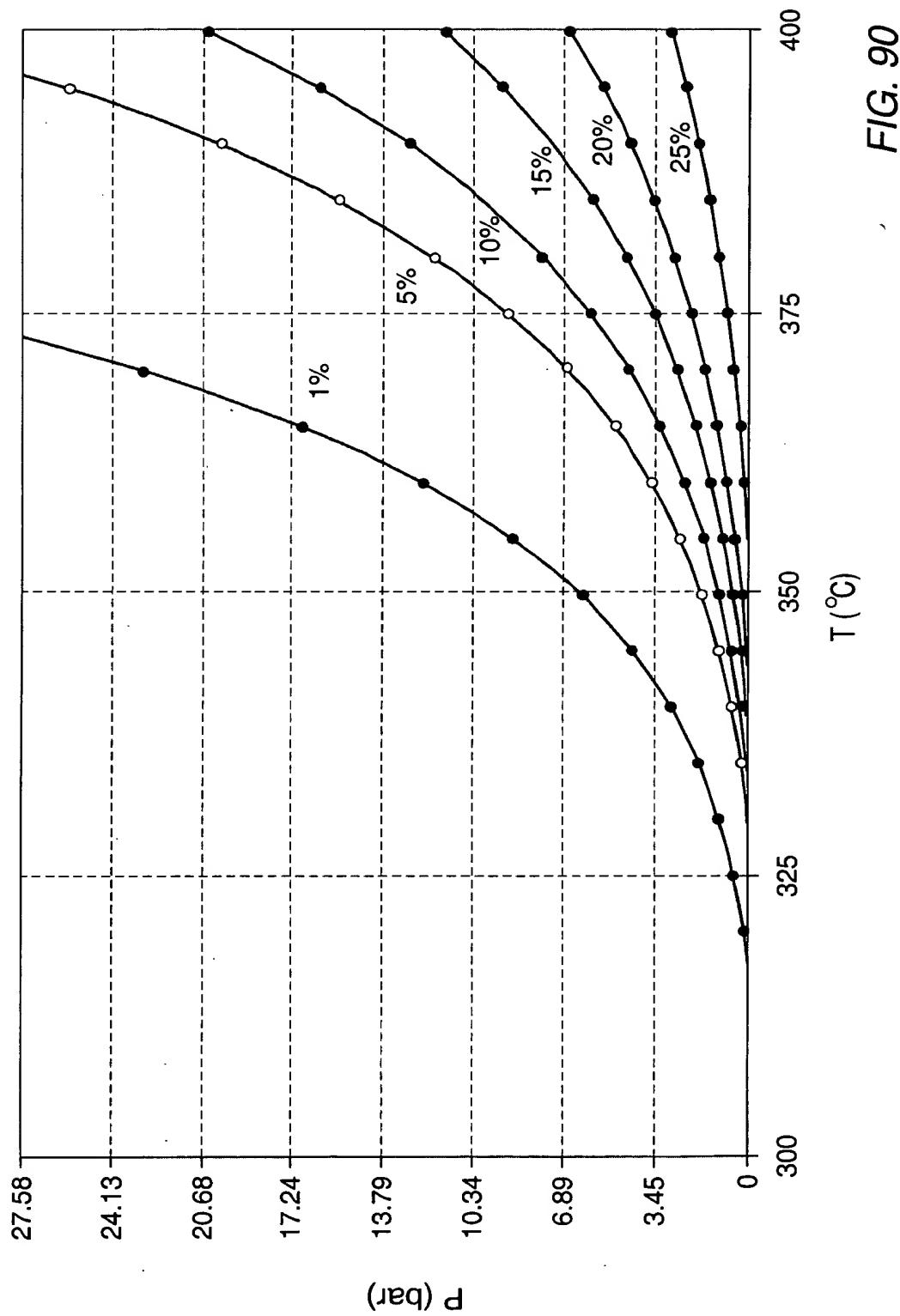


FIG. 90

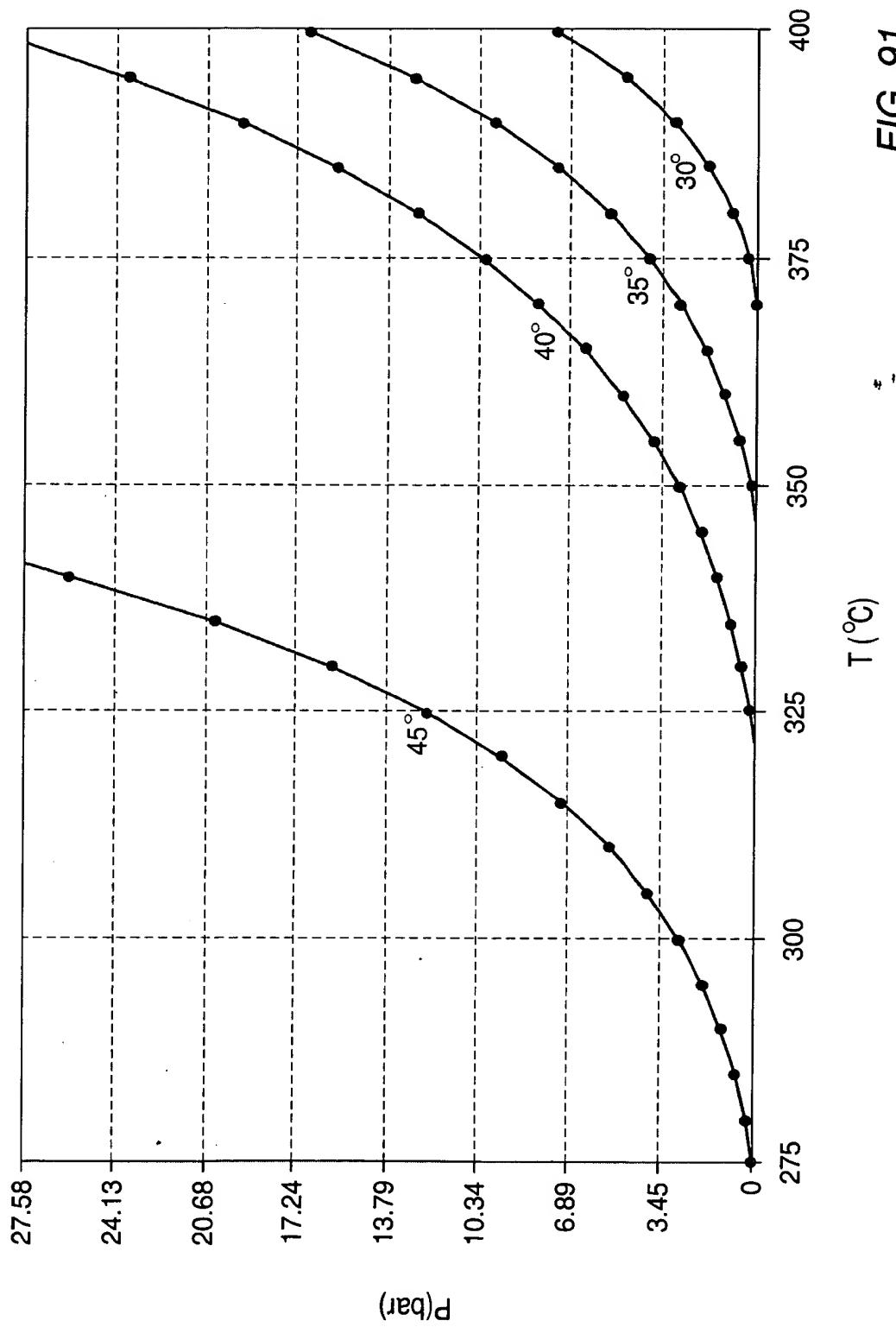


FIG. 91

27.58 24.13 20.68 17.24 13.79 10.34 6.89 3.45 0

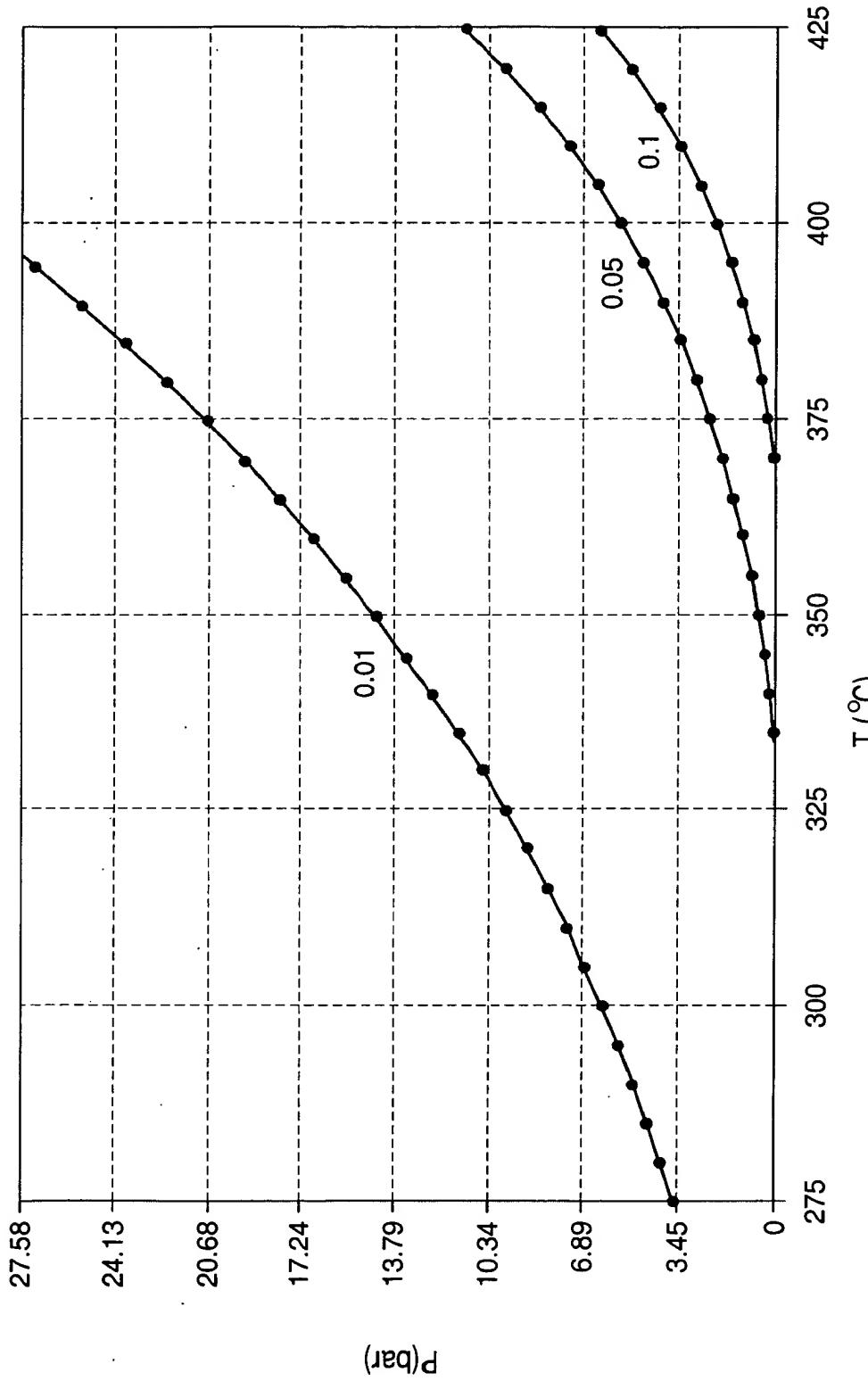


FIG. 92

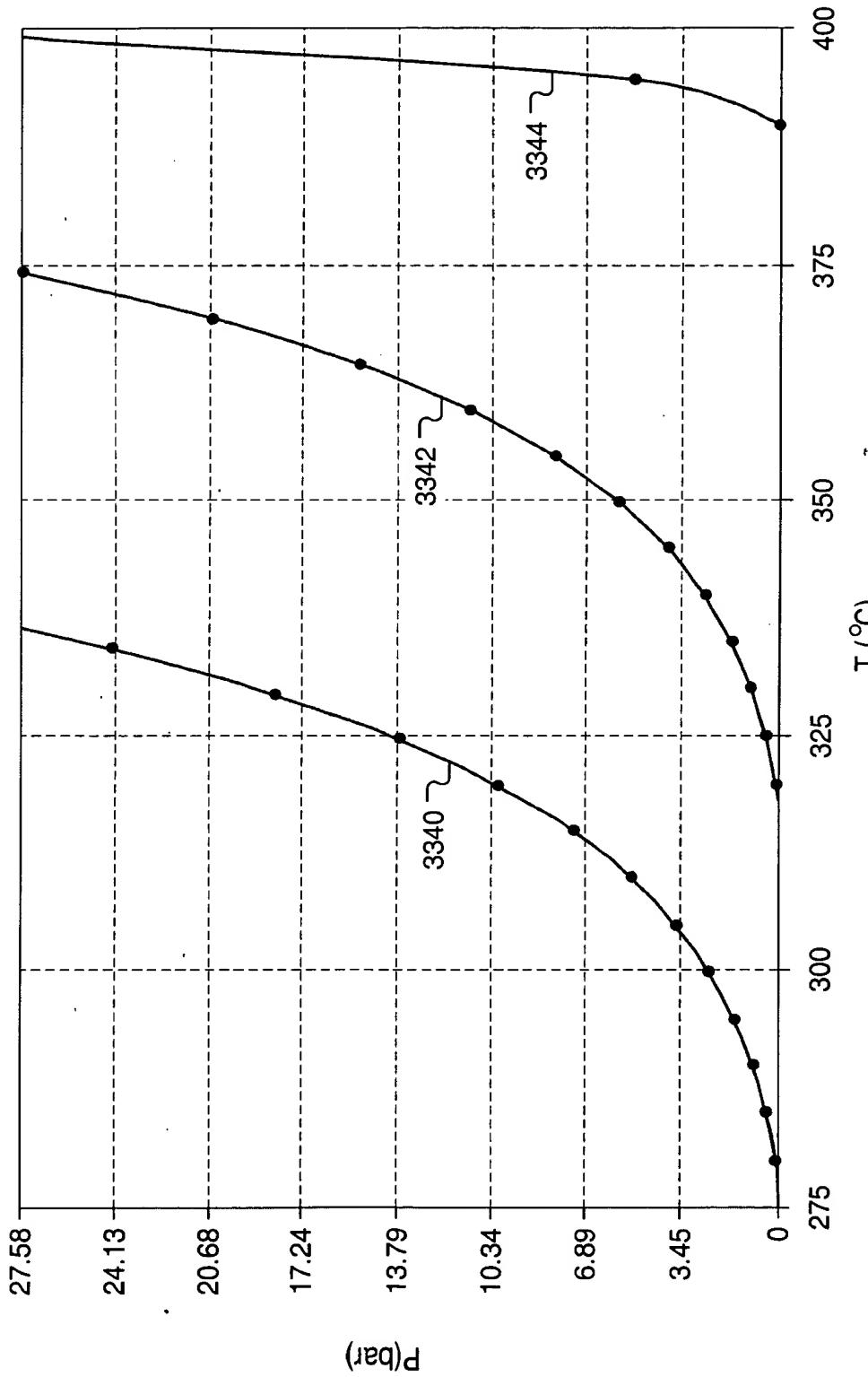


FIG. 93

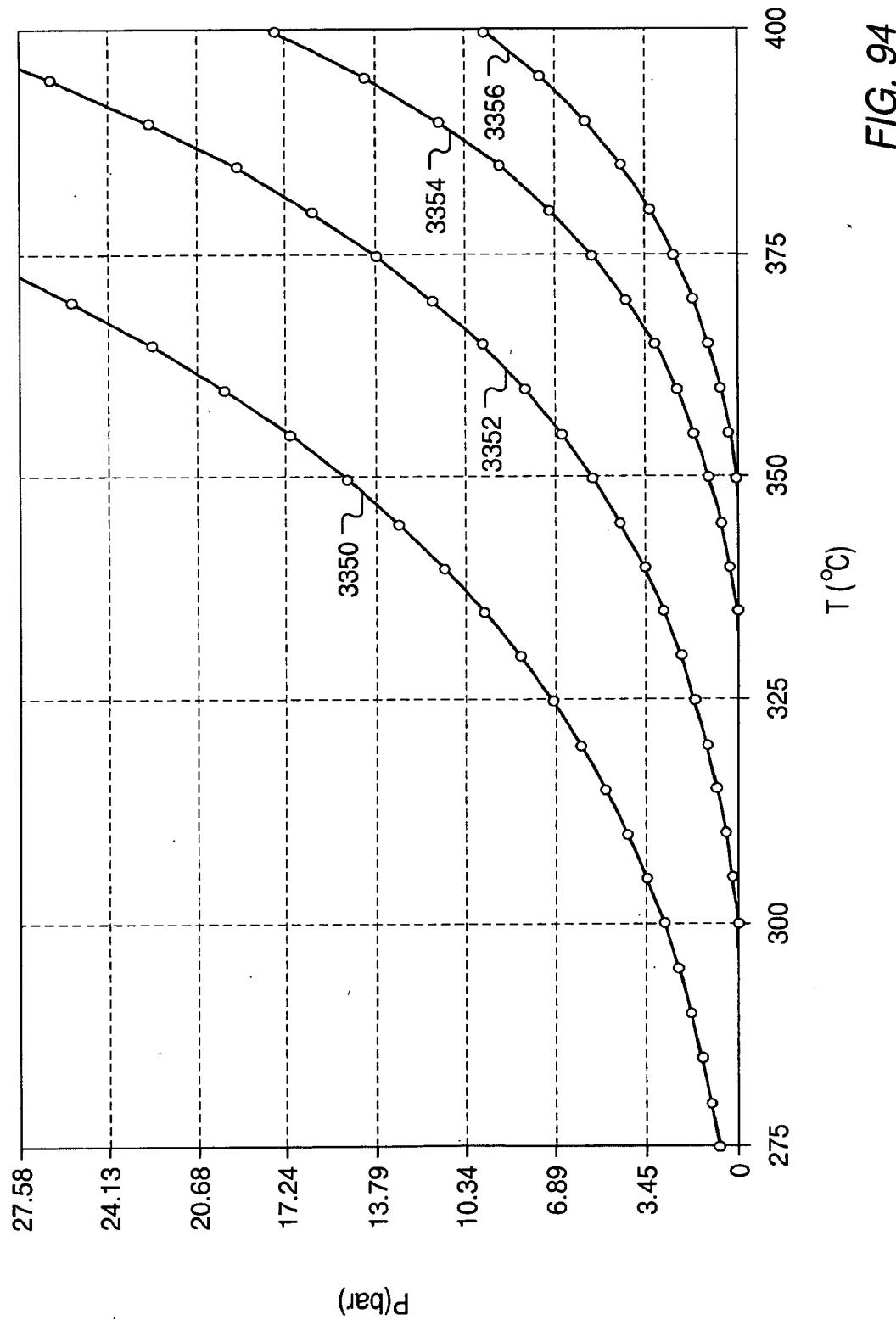


FIG. 94

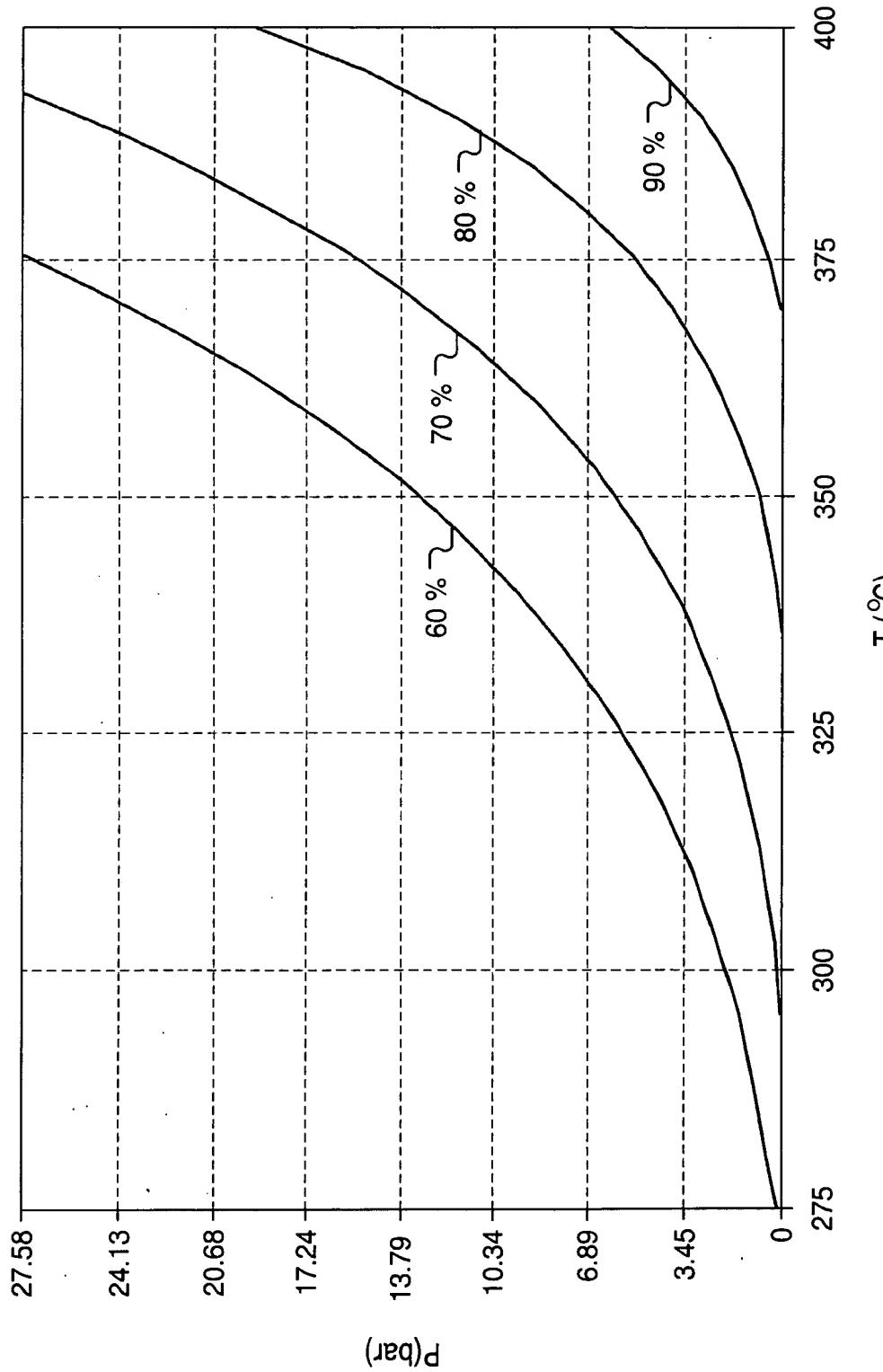


FIG. 95

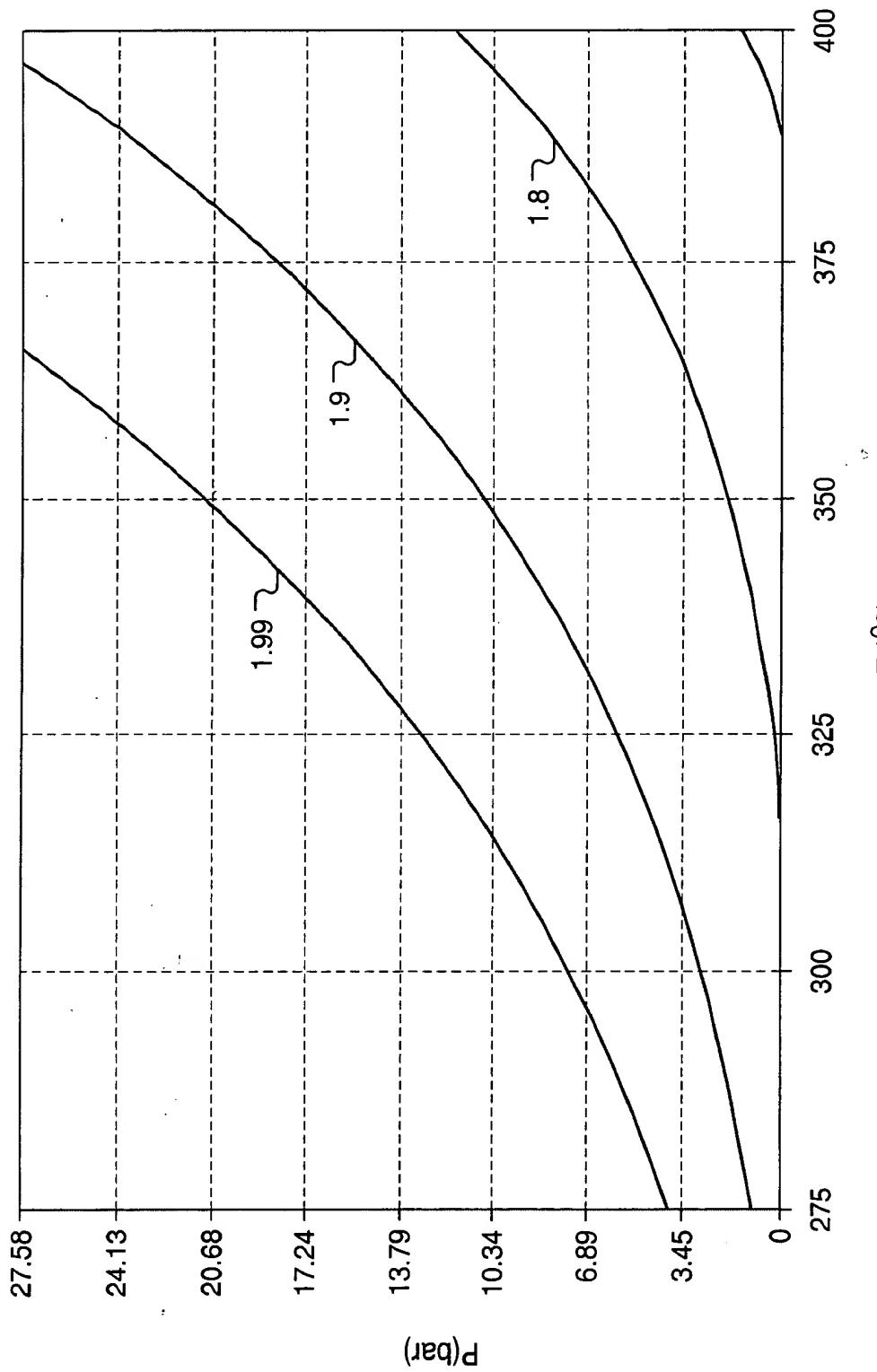


FIG. 96

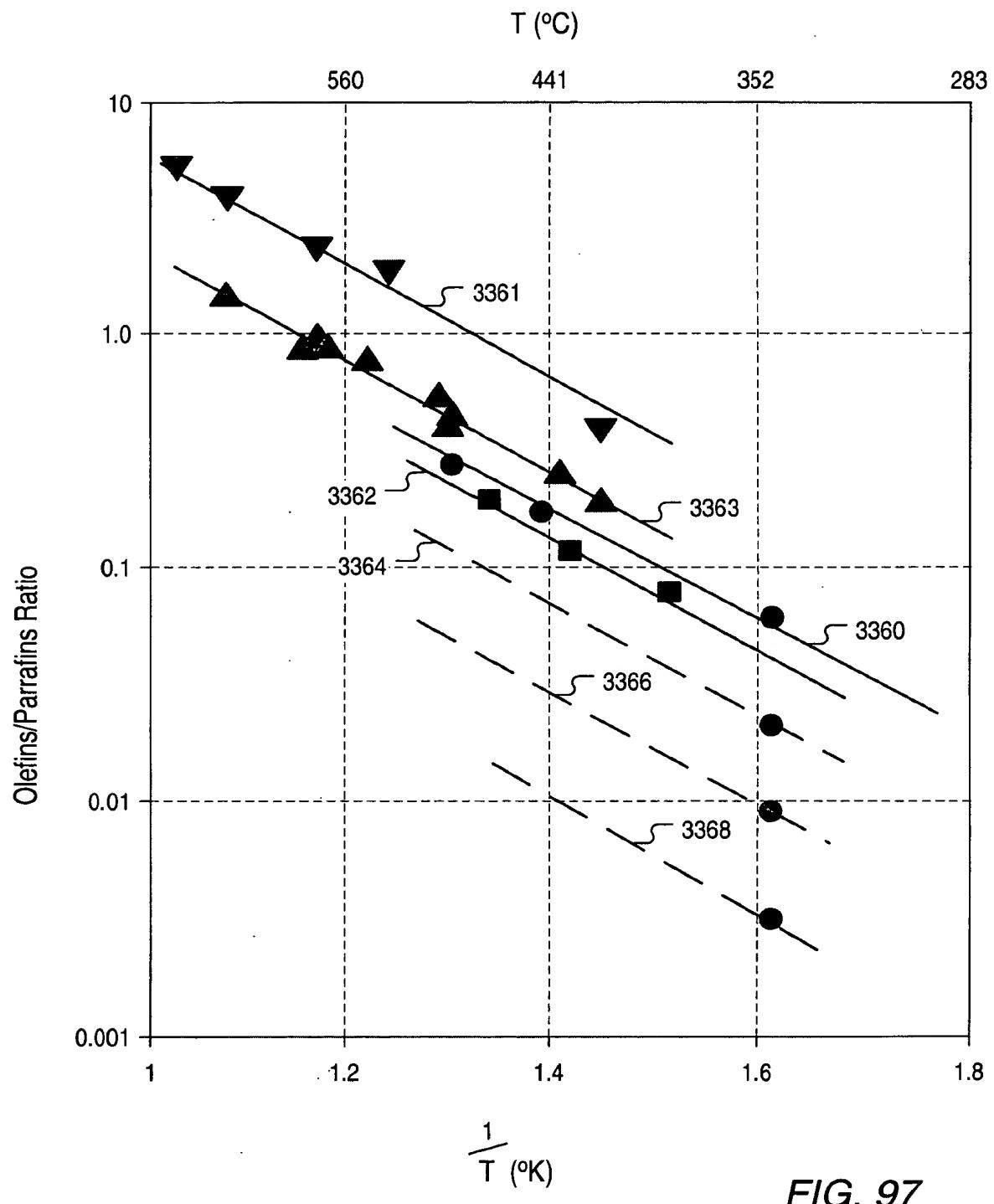
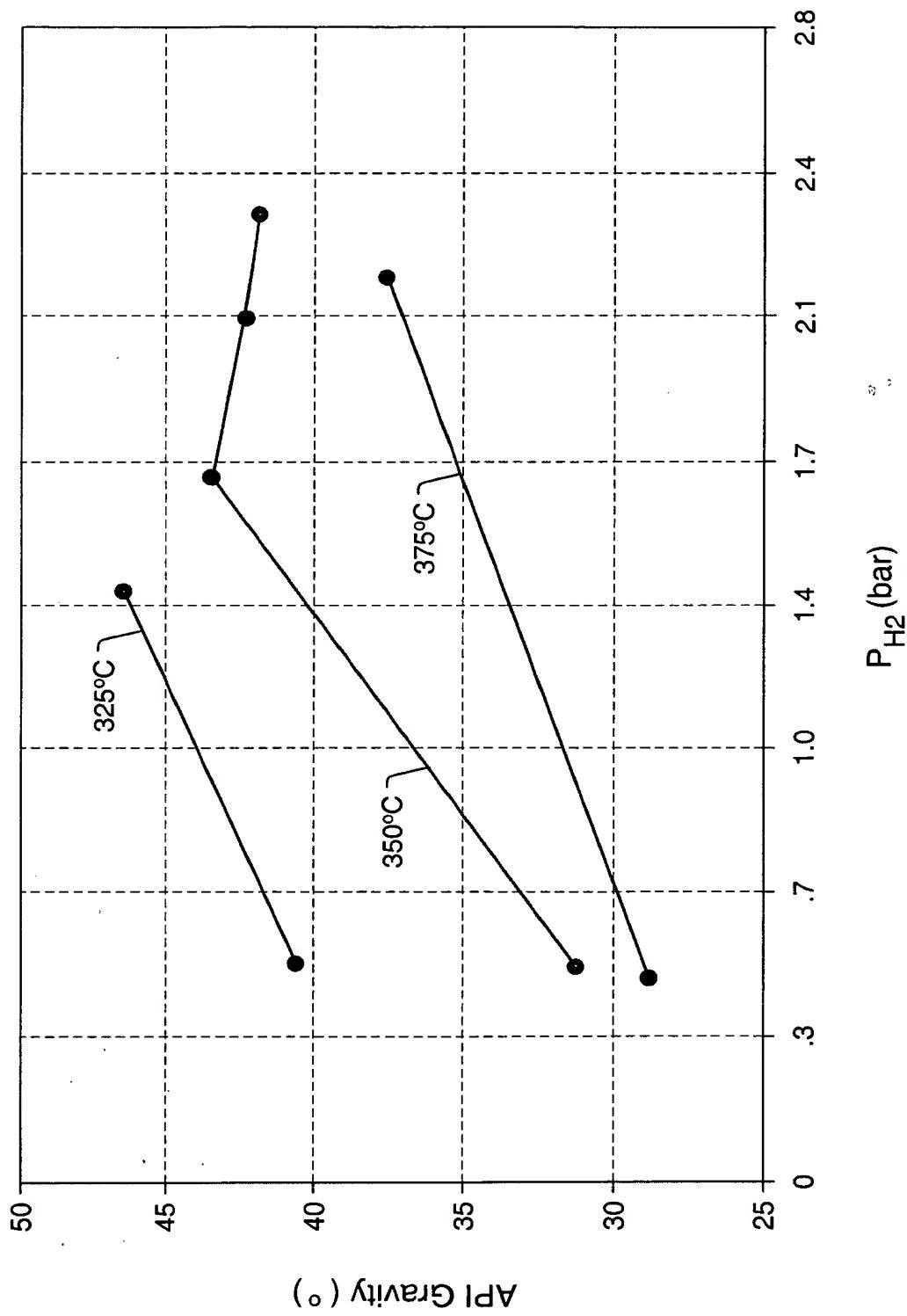


FIG. 97

FIG. 98



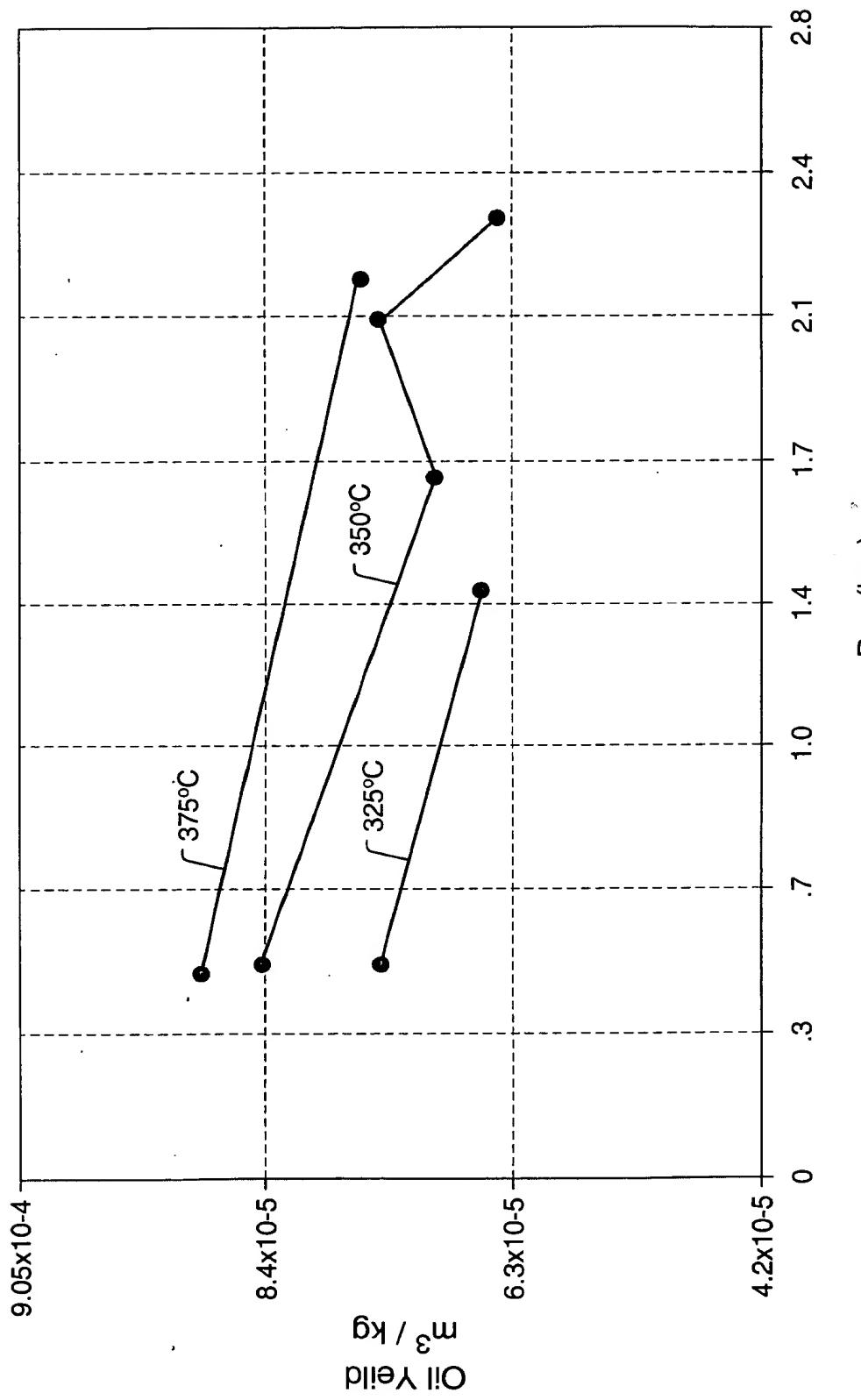
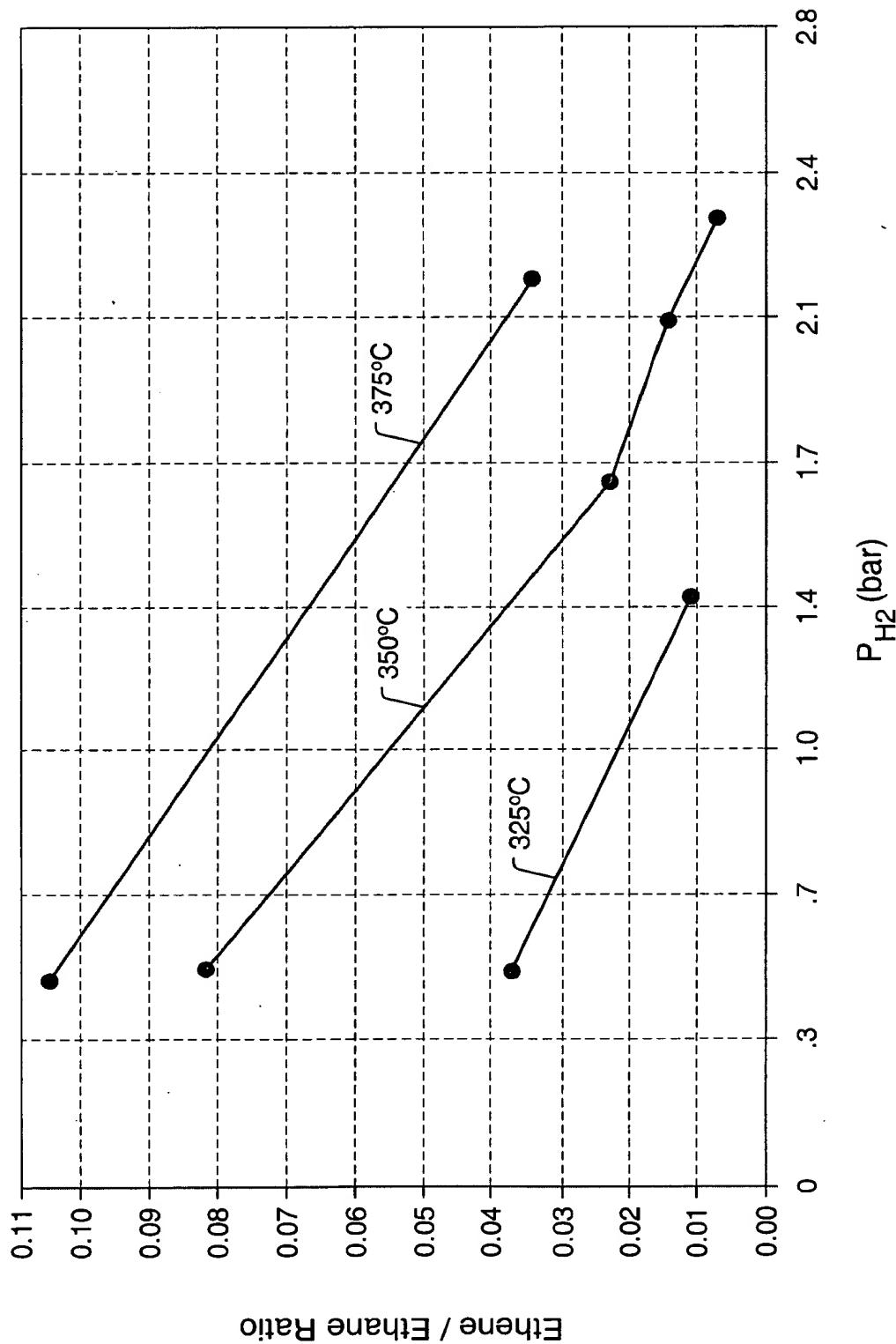


FIG. 99

FIG. 100



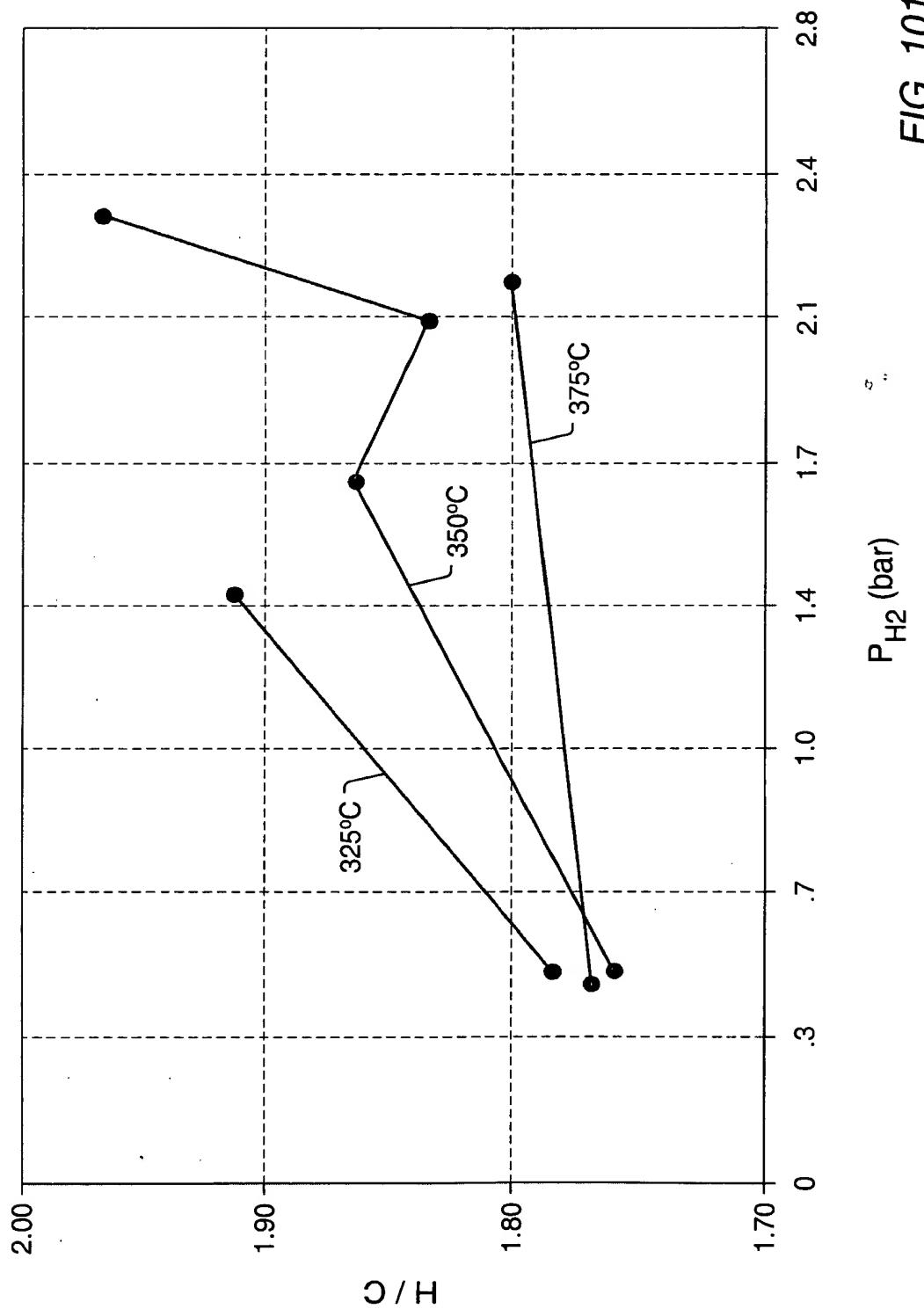


FIG. 101

FIG. 102

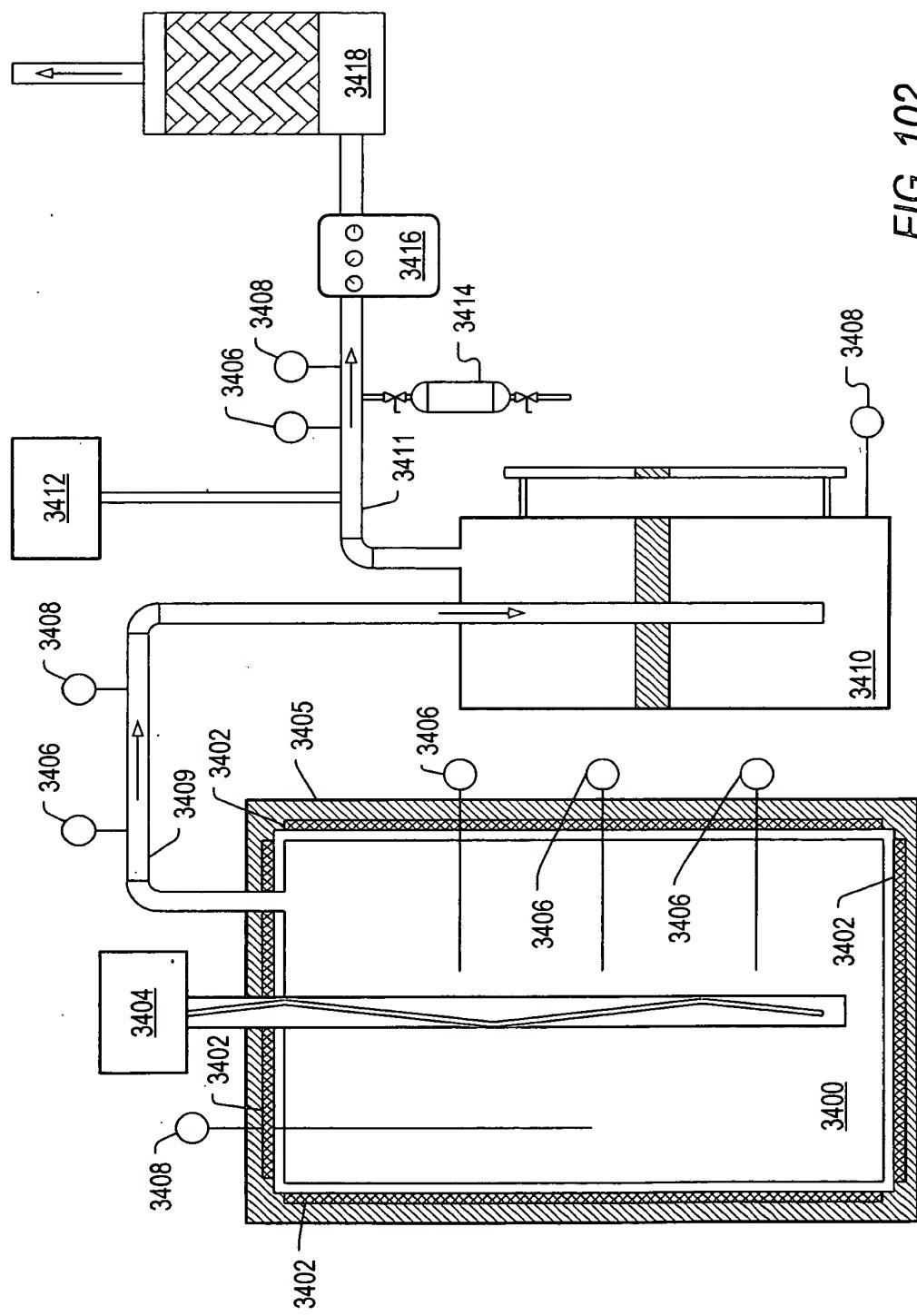
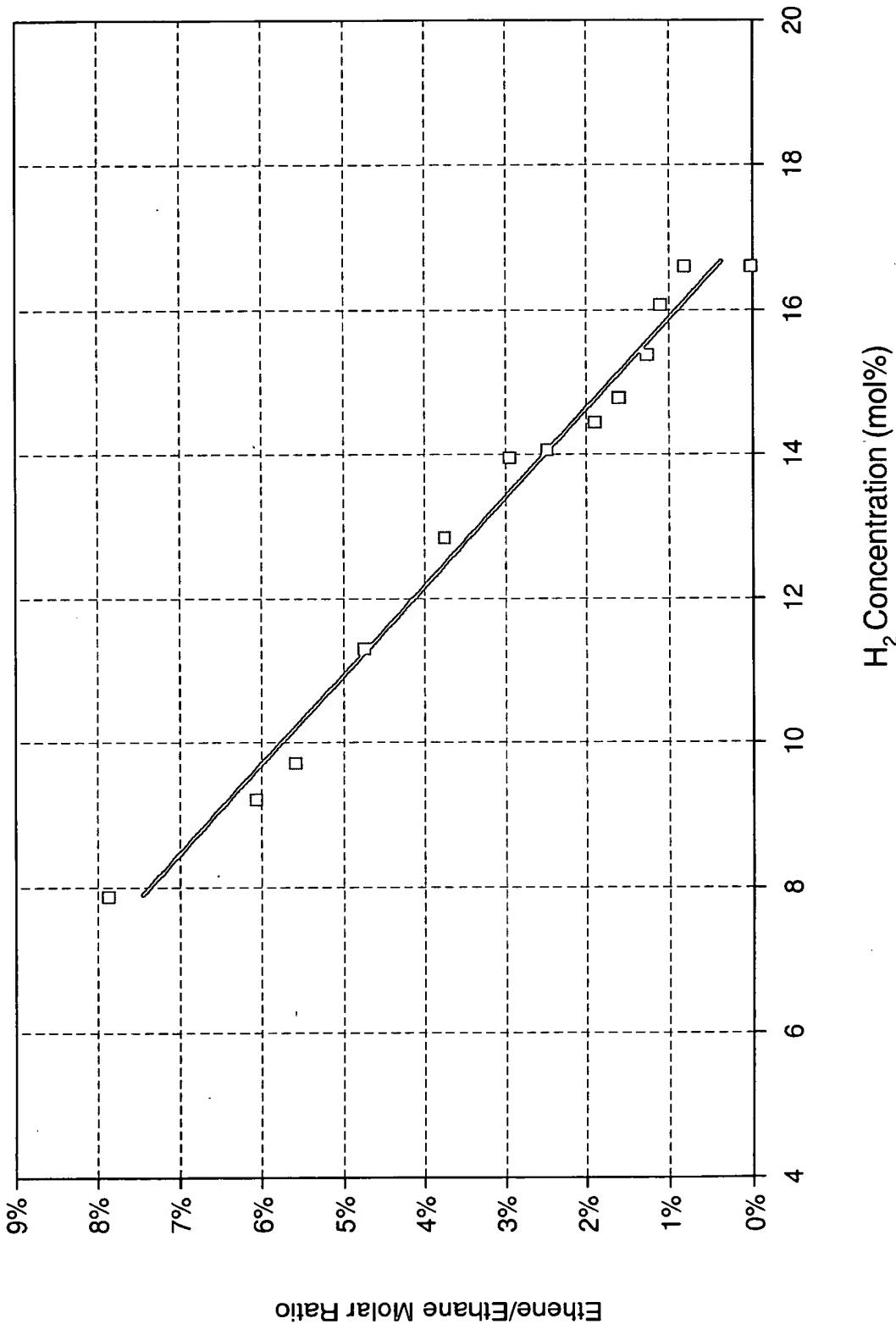
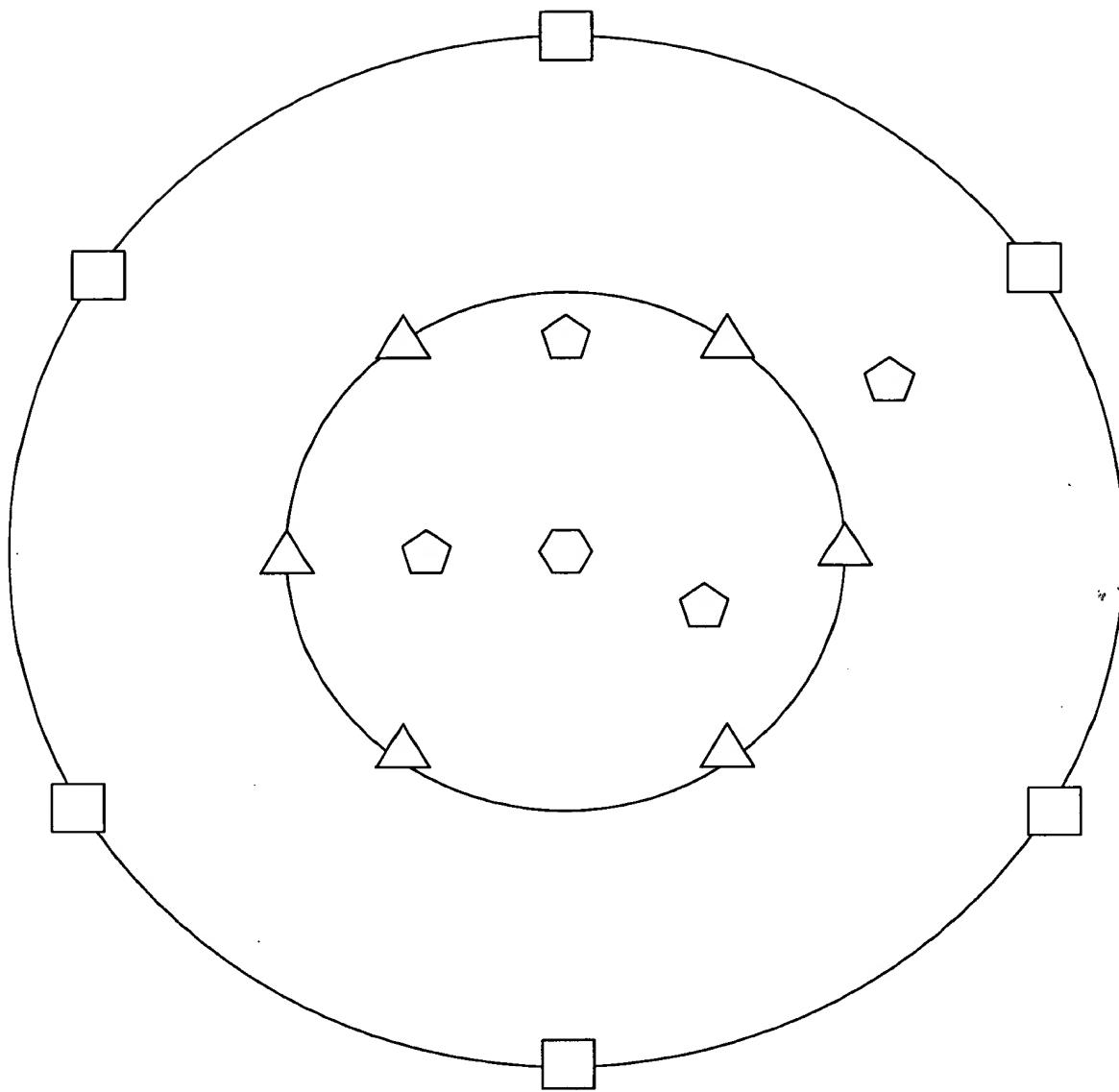


FIG. 103





△ - 3600

◇ - 3603

□ - 3604

○ - 3602

FIG. 104

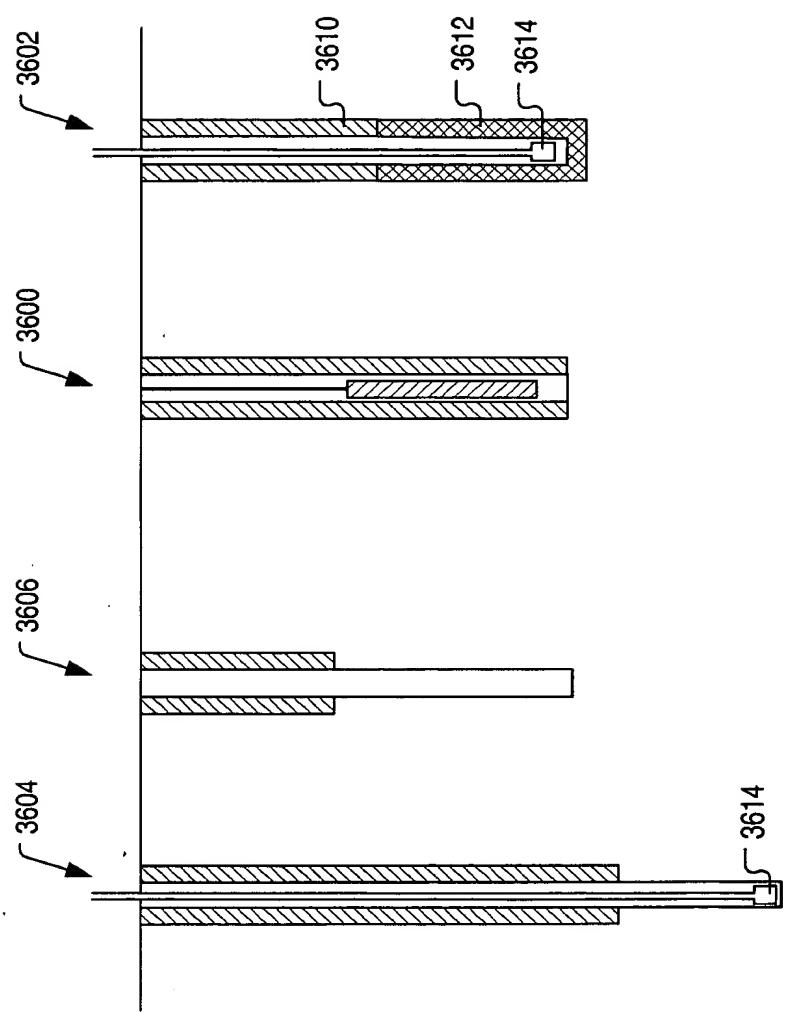
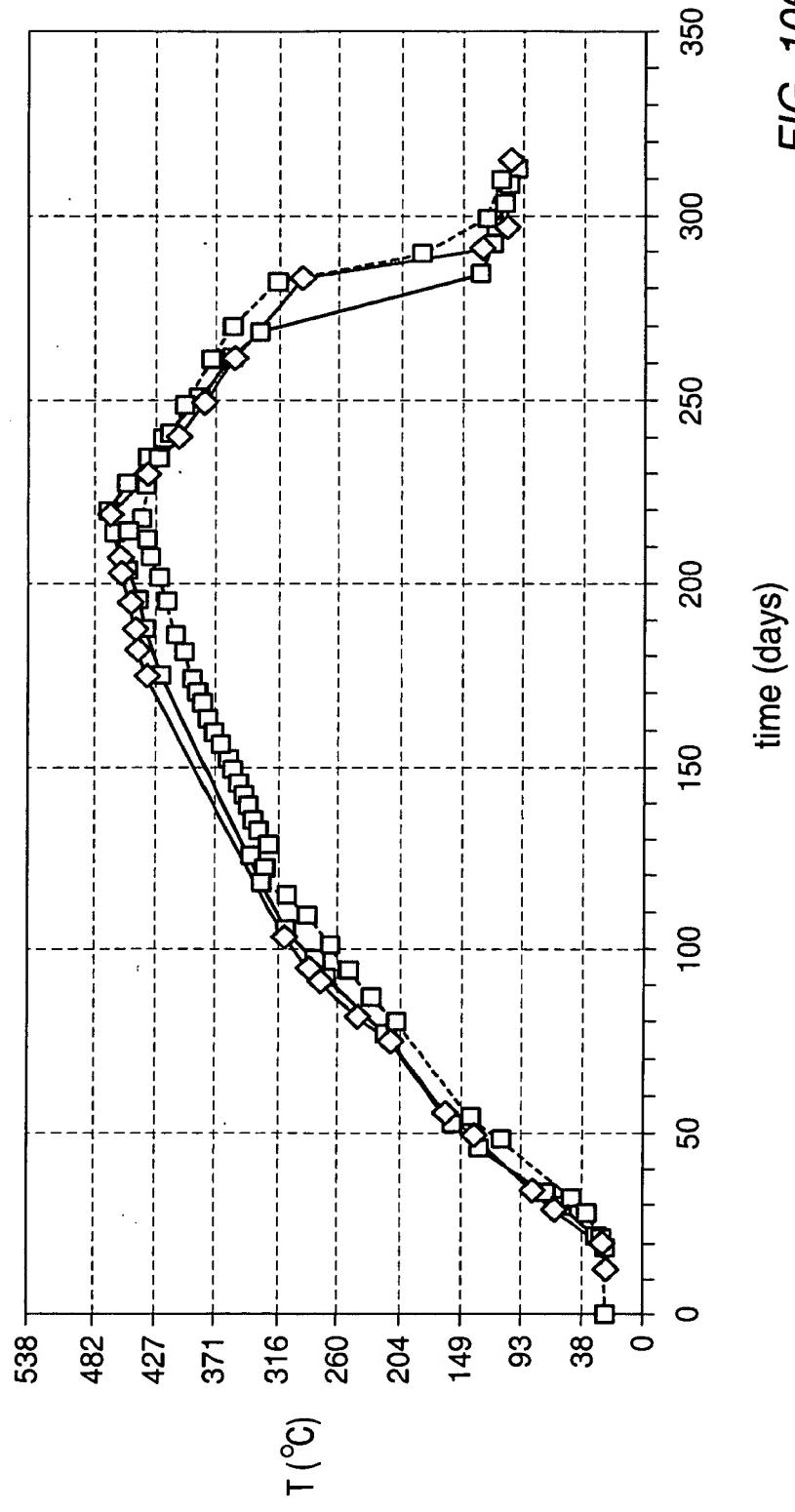


FIG. 105

FIG. 106



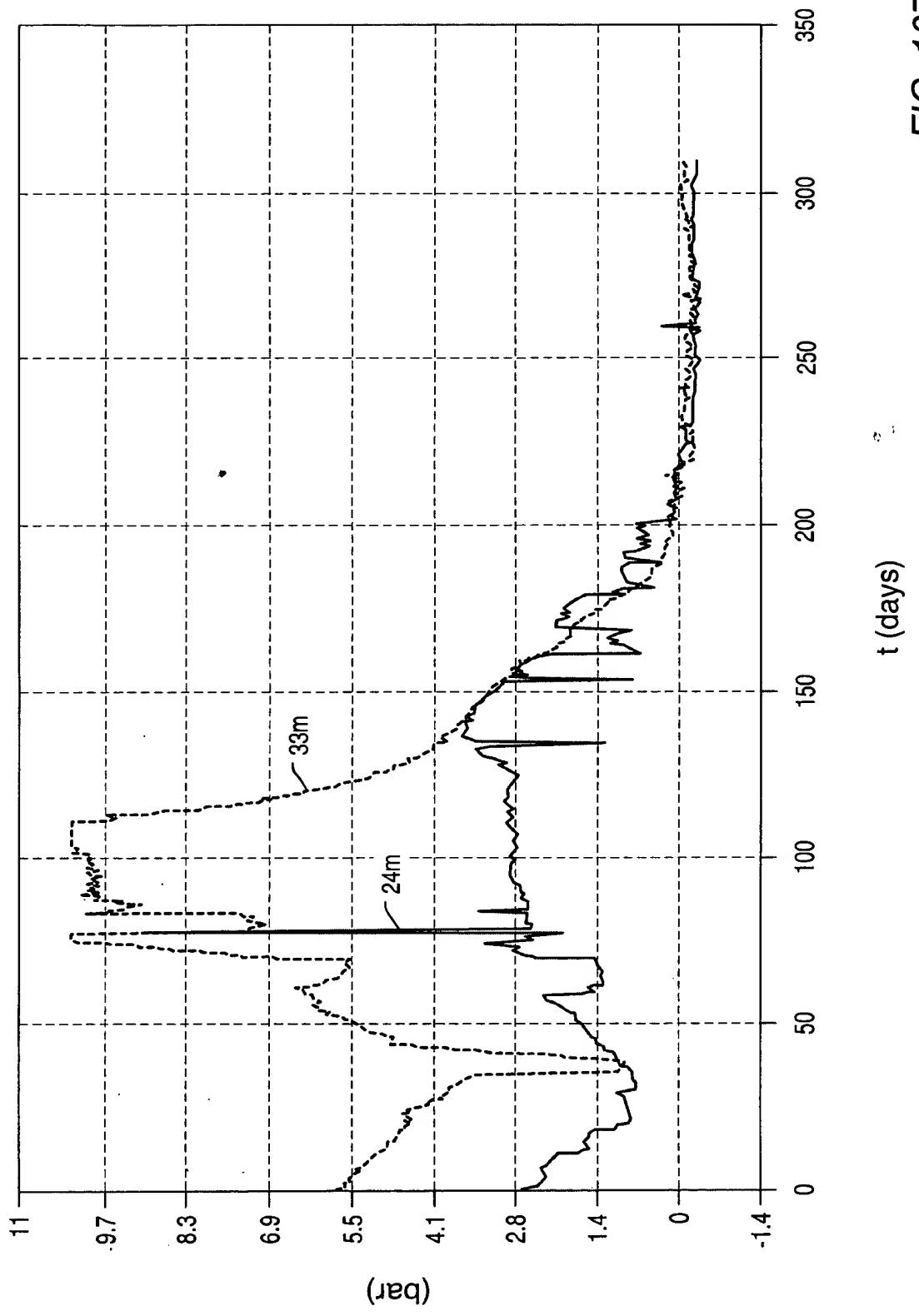


FIG. 107

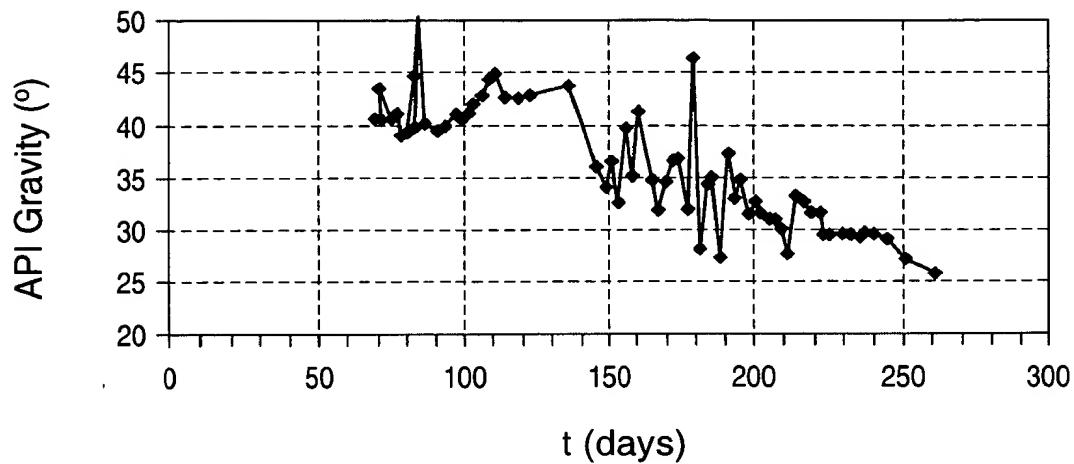


FIG. 108

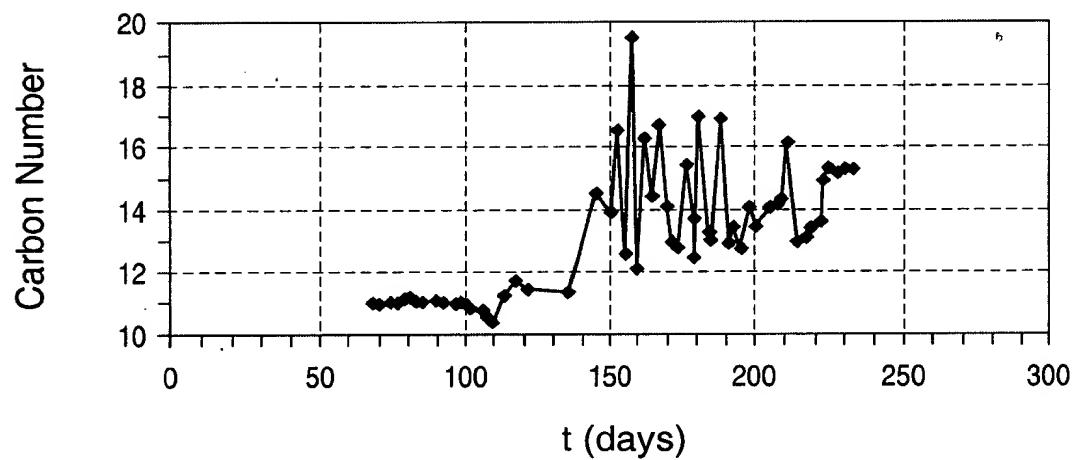


FIG. 109

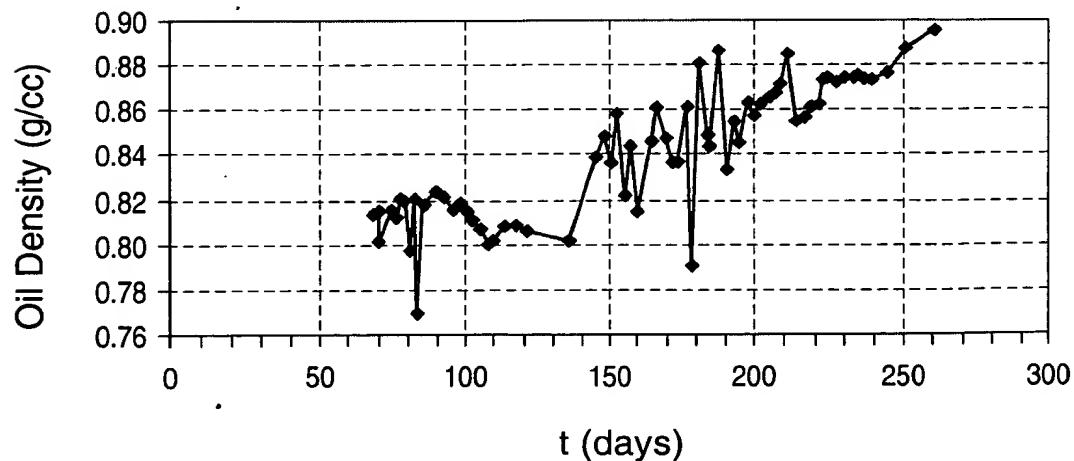


FIG. 110

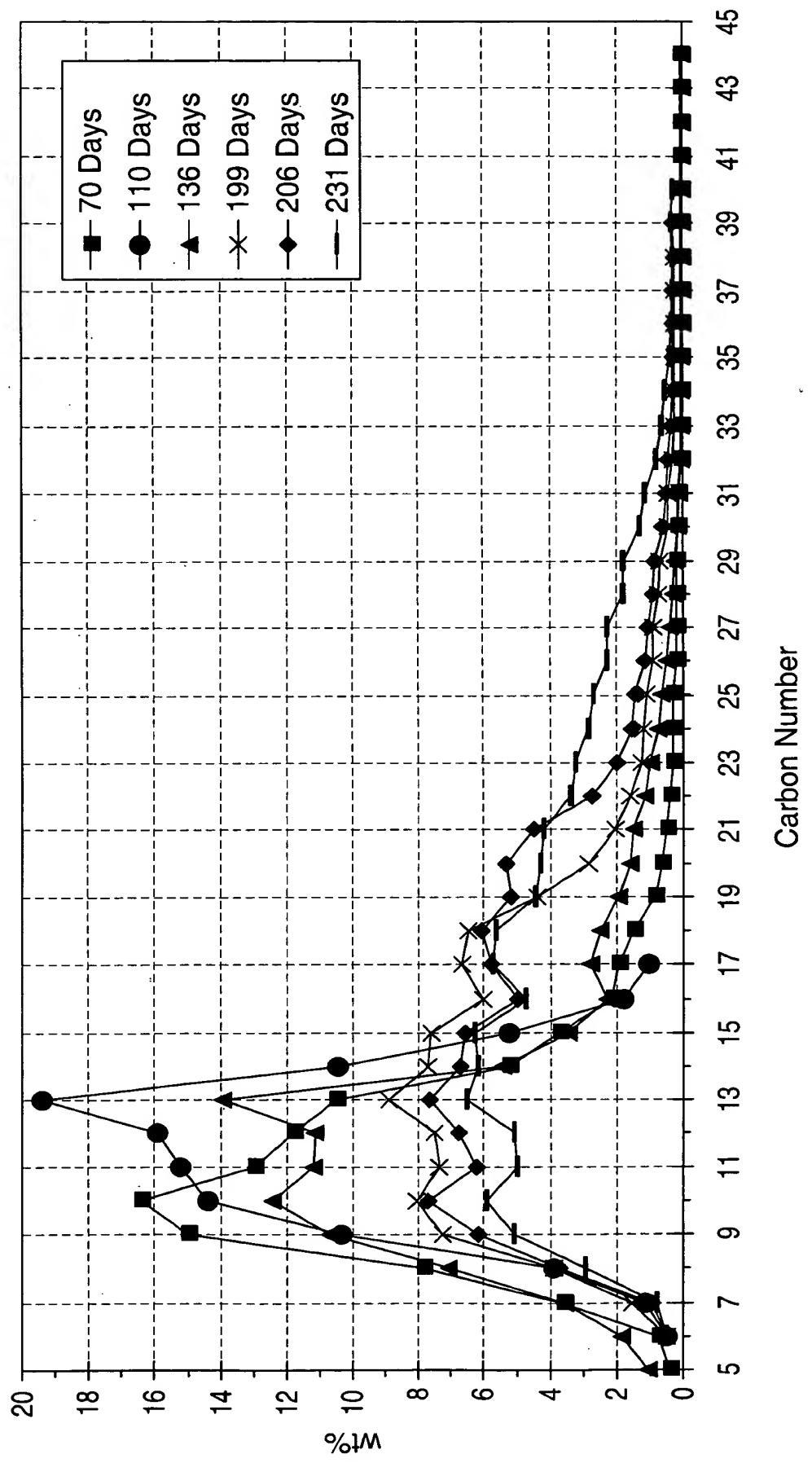


FIG. 111

FIG. 112

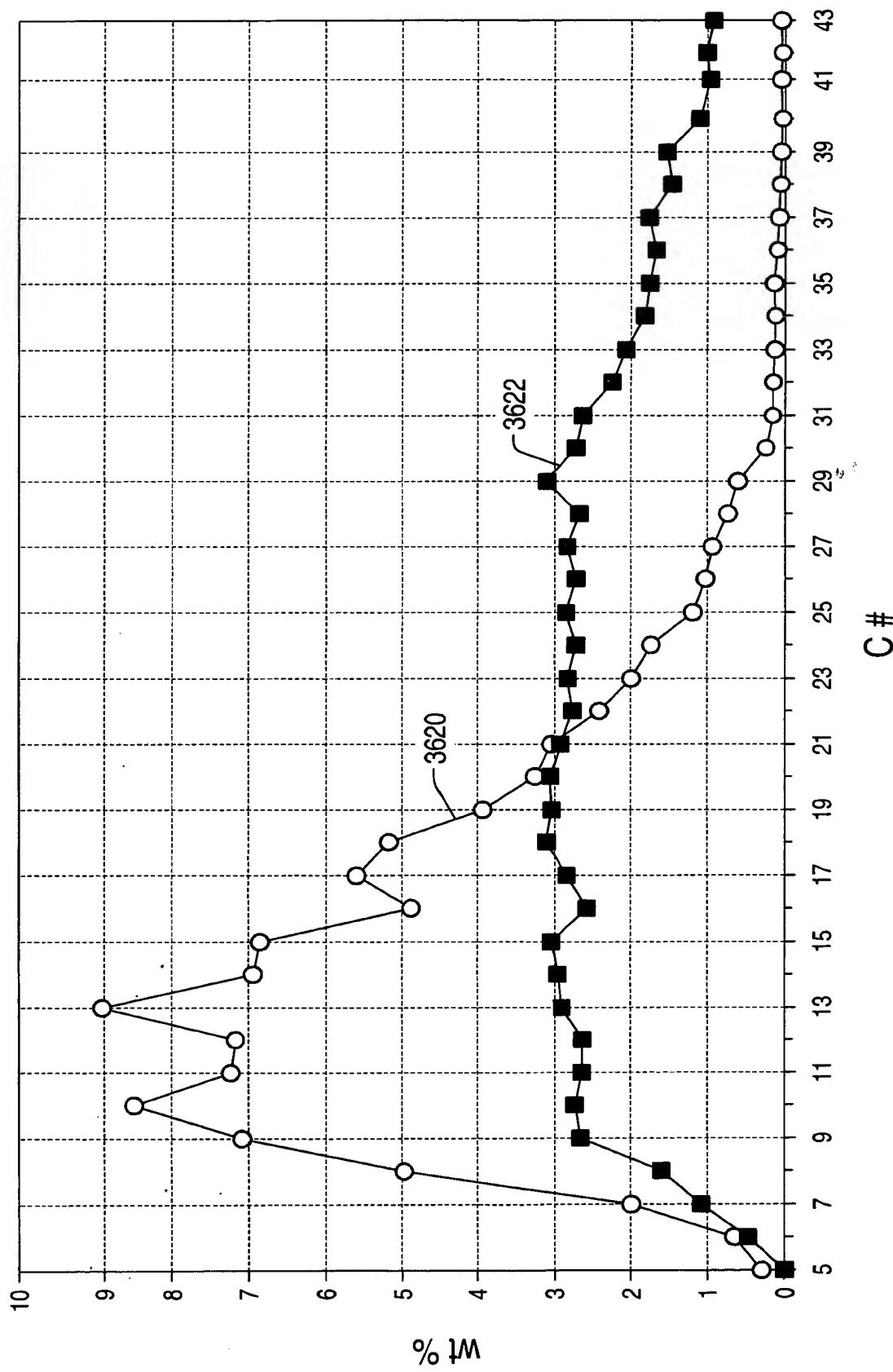
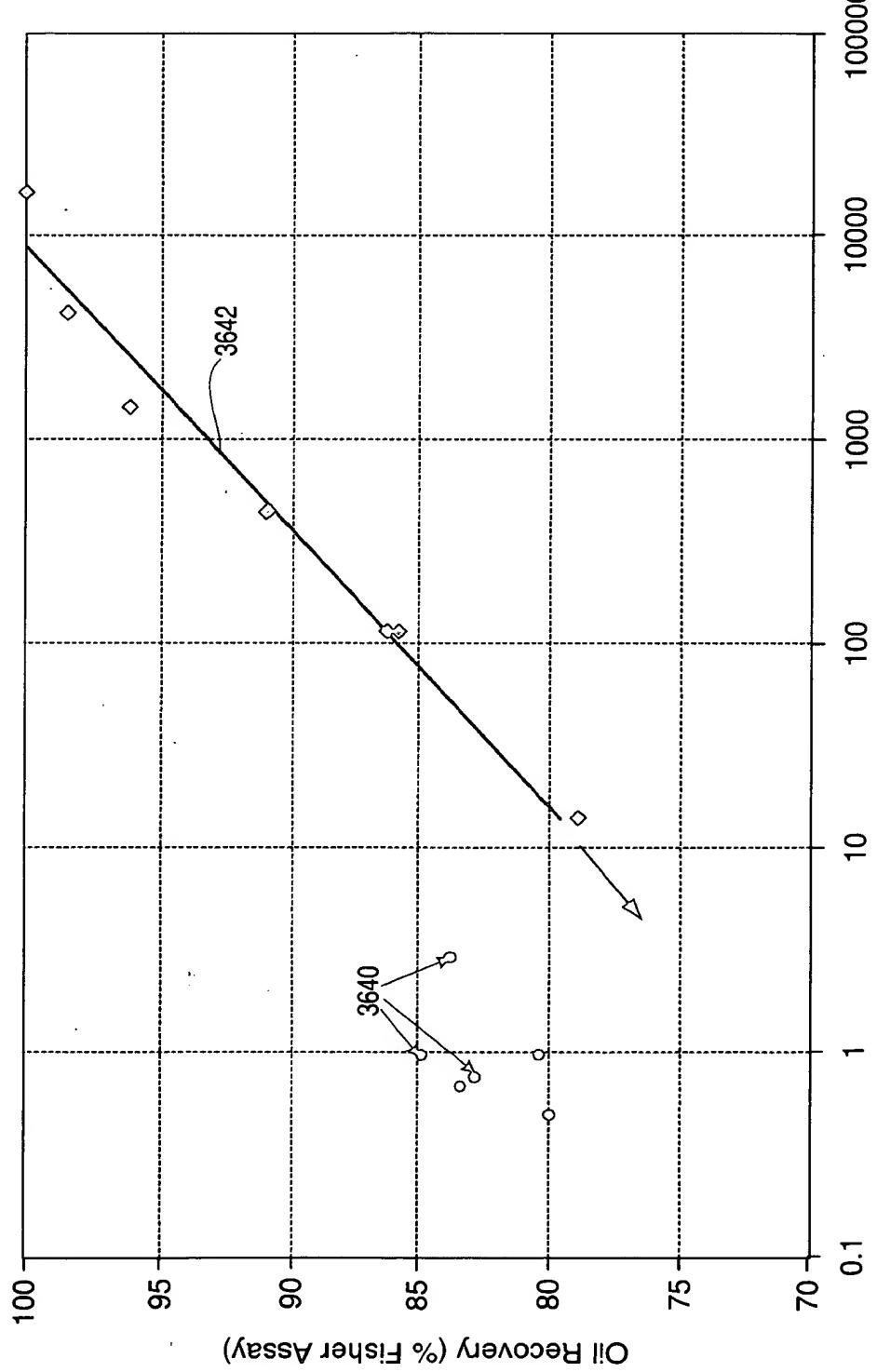


FIG. 113

Heating Rate ($^{\circ}\text{C}/\text{day}$)



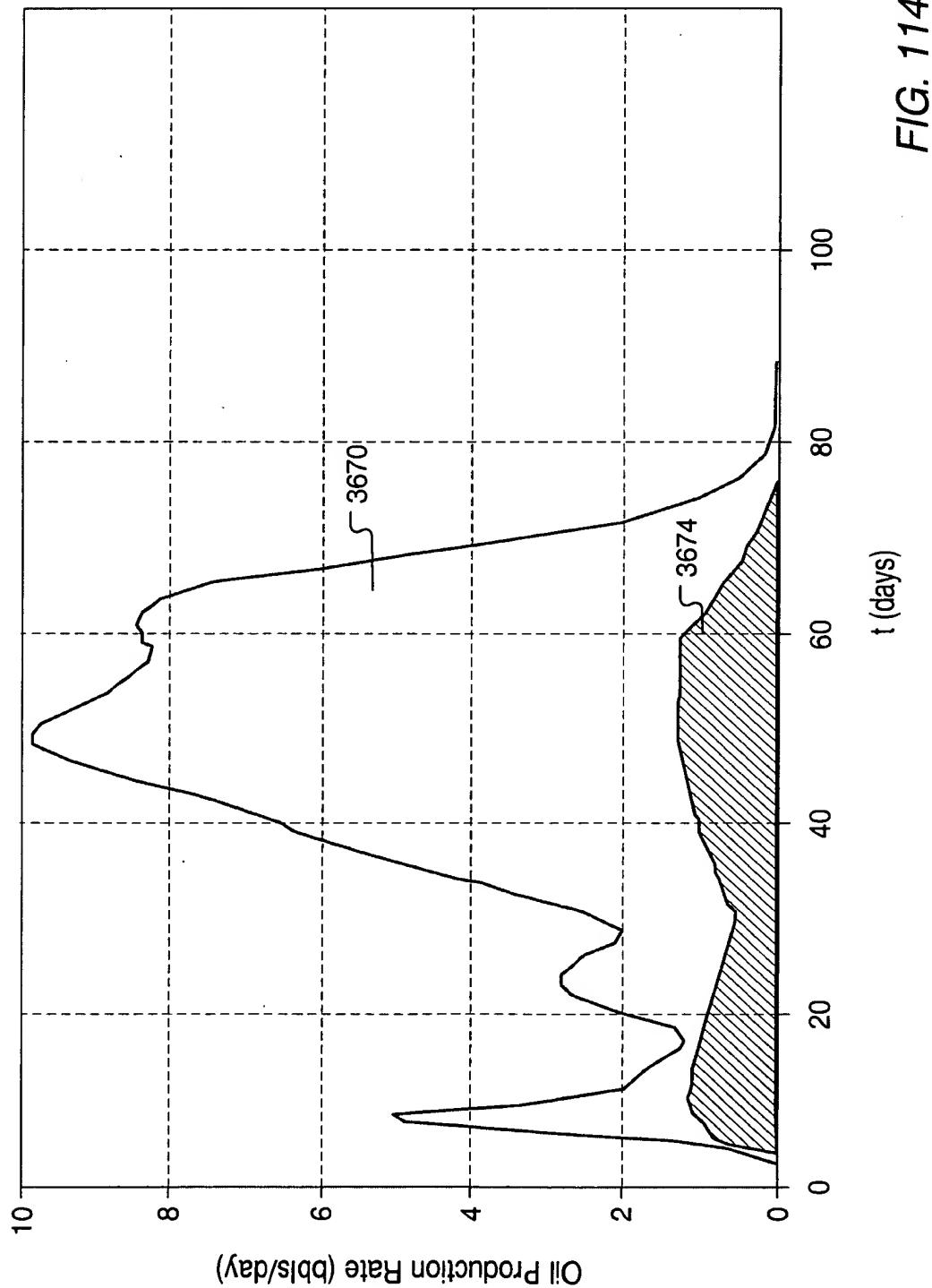


FIG. 114

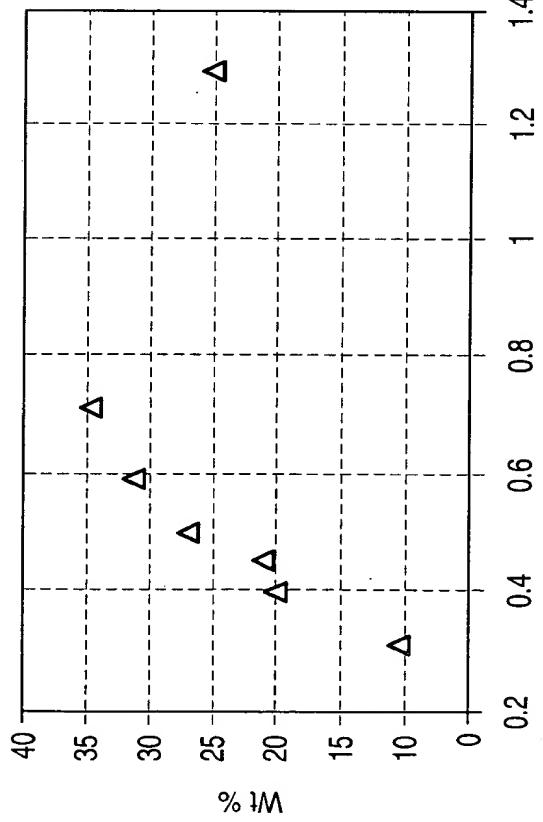


FIG. 115

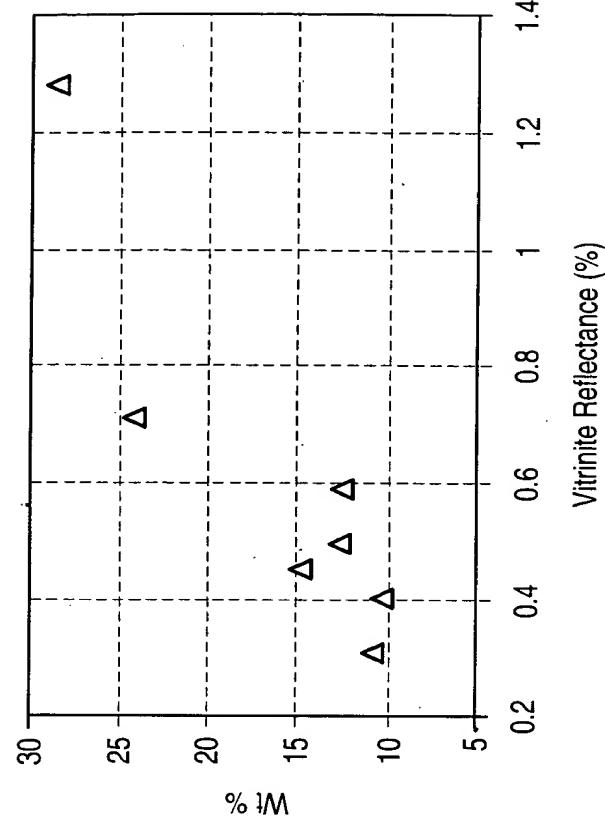


FIG. 116

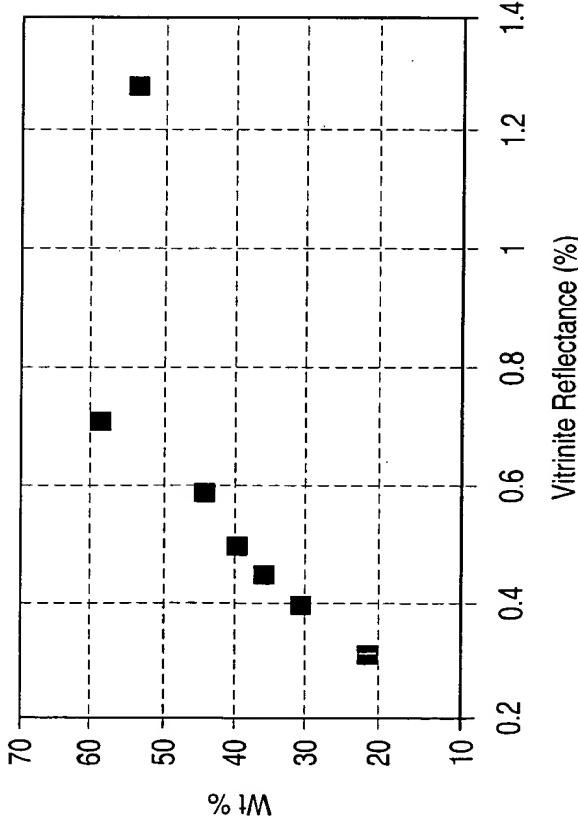


FIG. 117

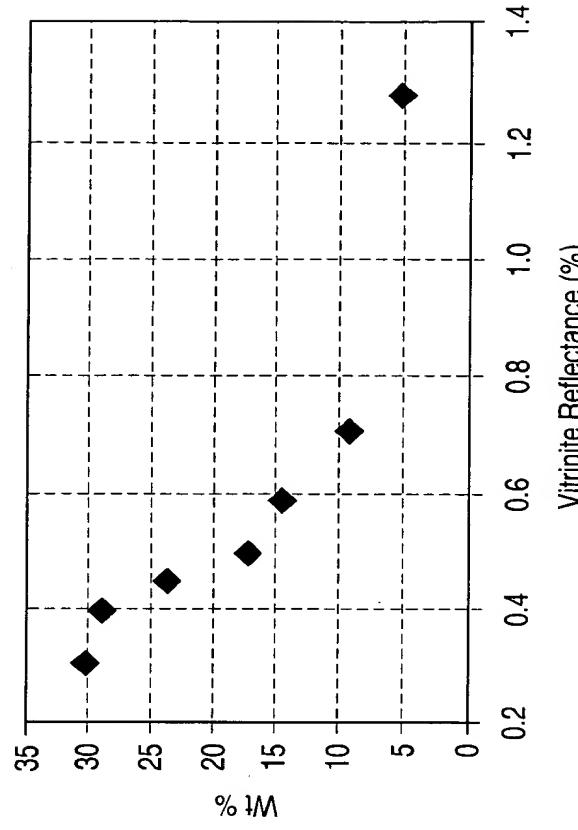


FIG. 118

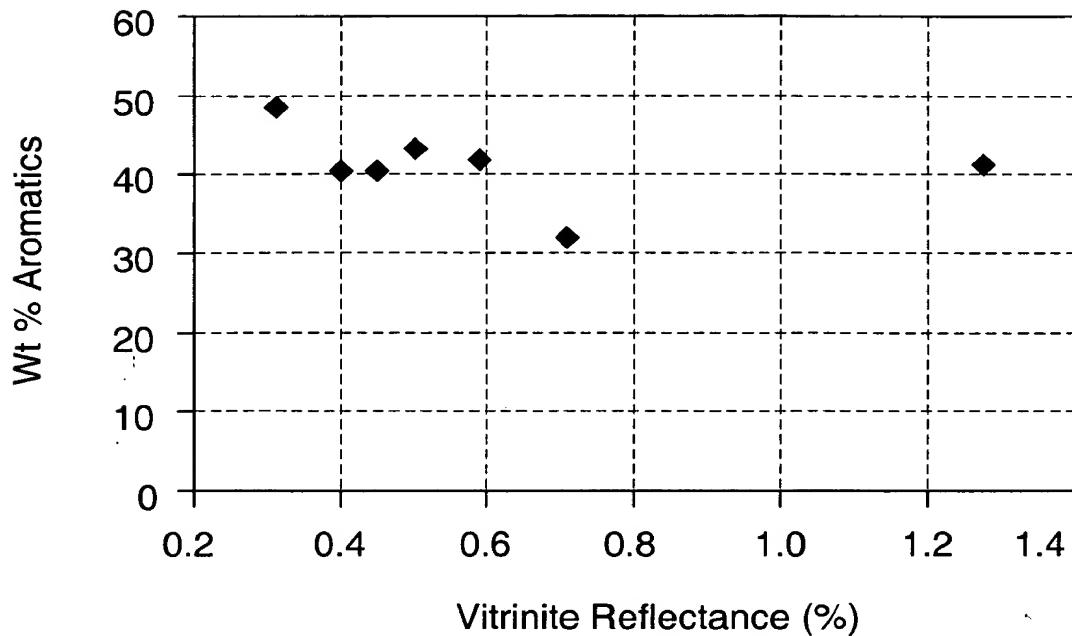


FIG. 119

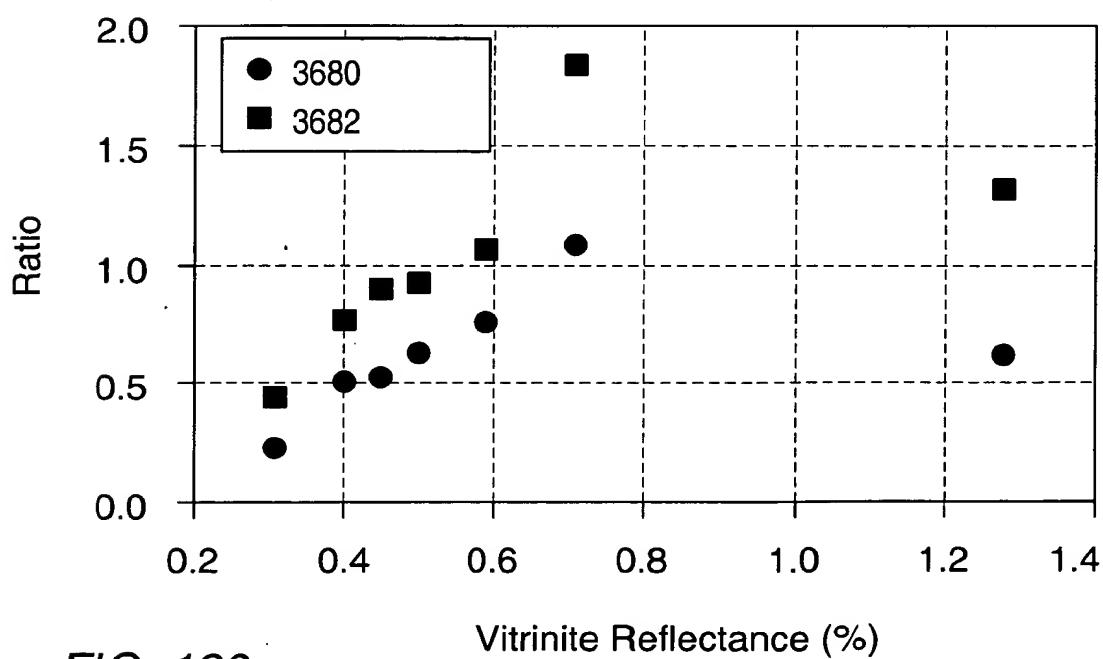


FIG. 120

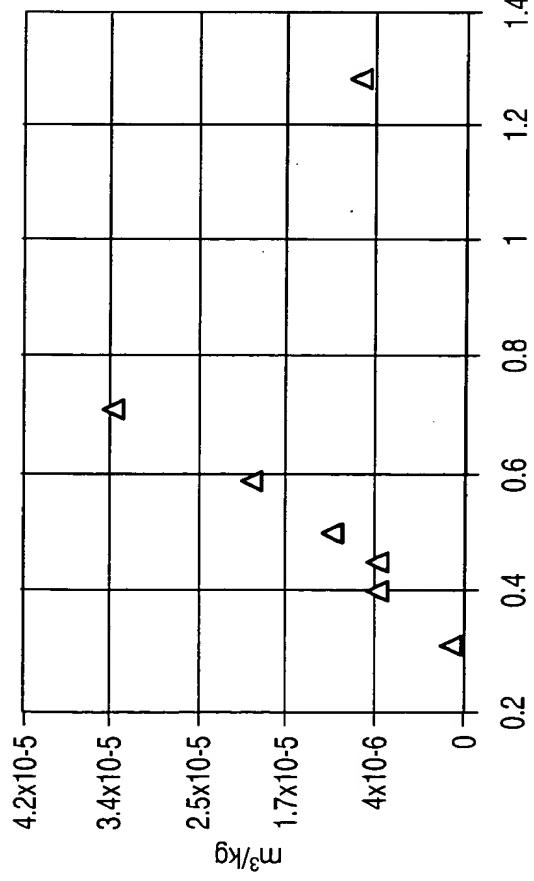


FIG. 121

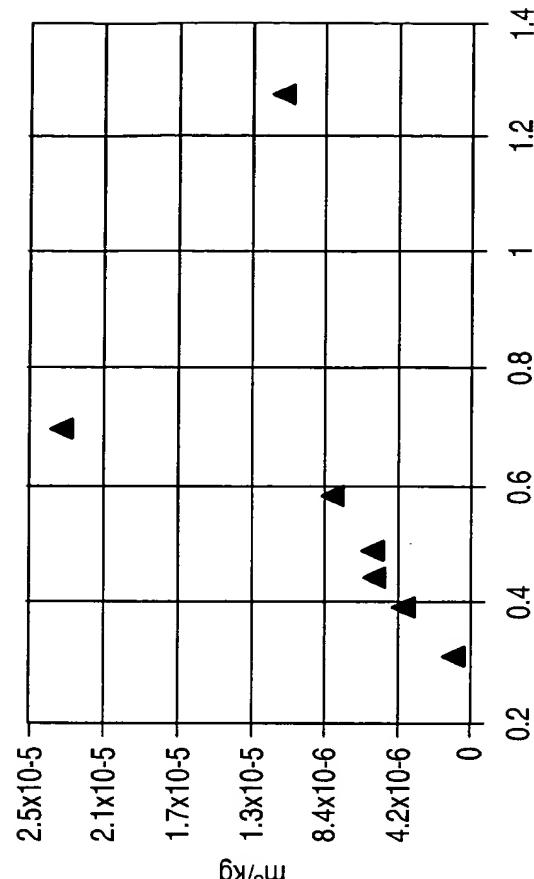


FIG. 122

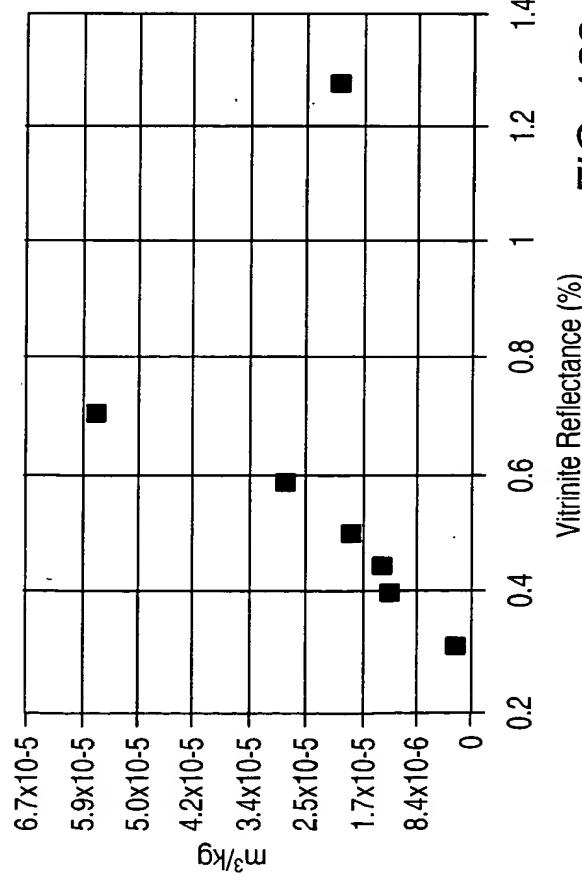


FIG. 123

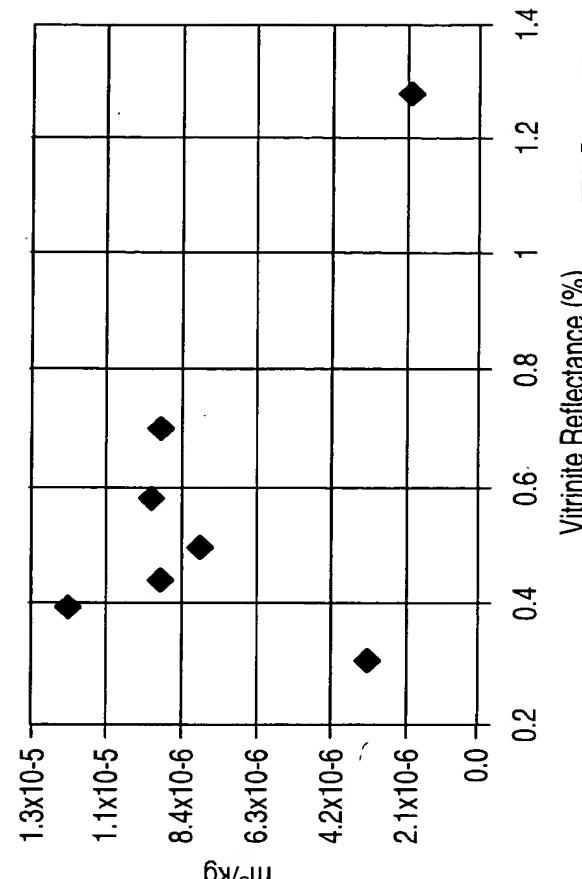
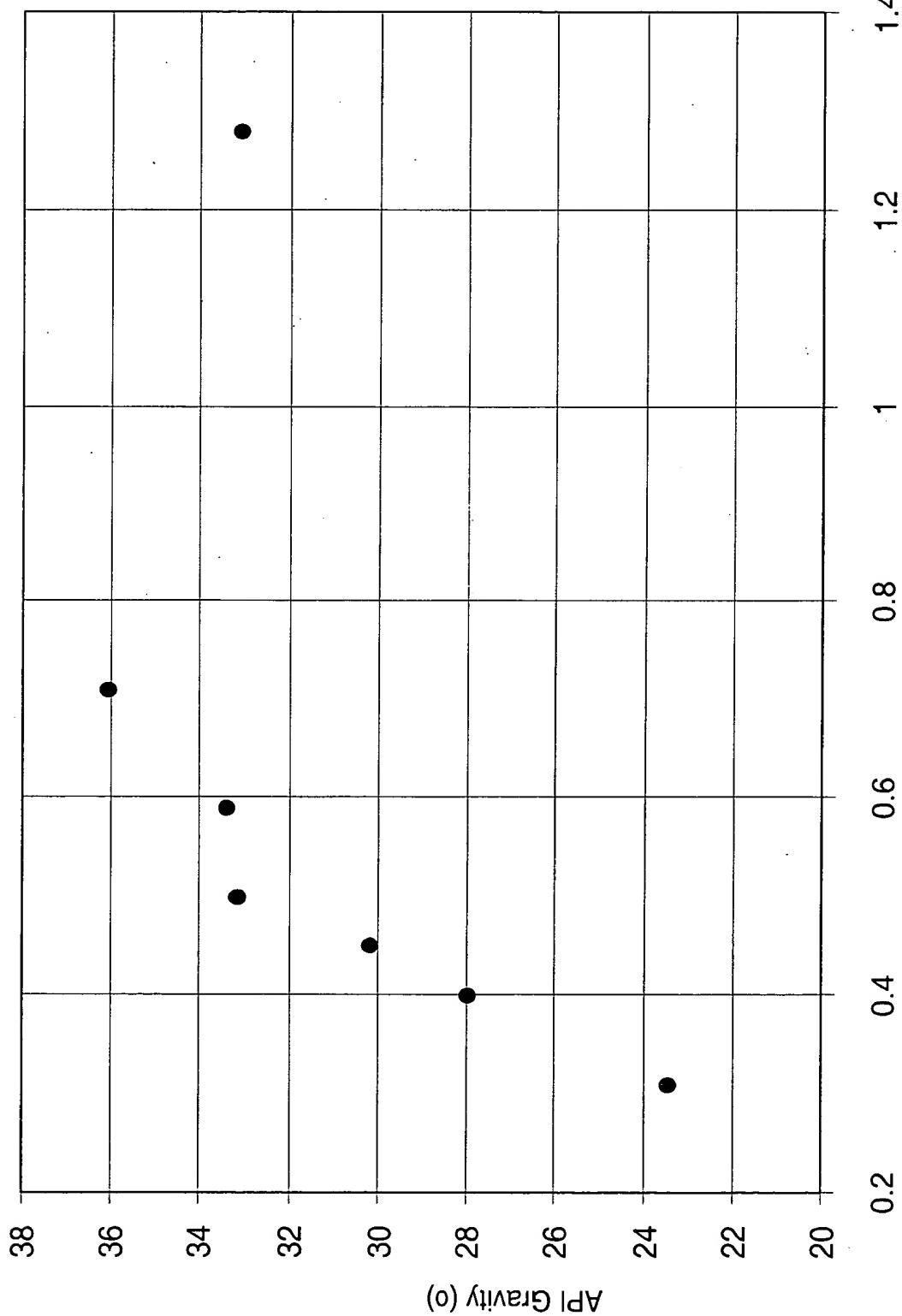


FIG. 124

FIG. 125

Vitrinite Reflectance (%)



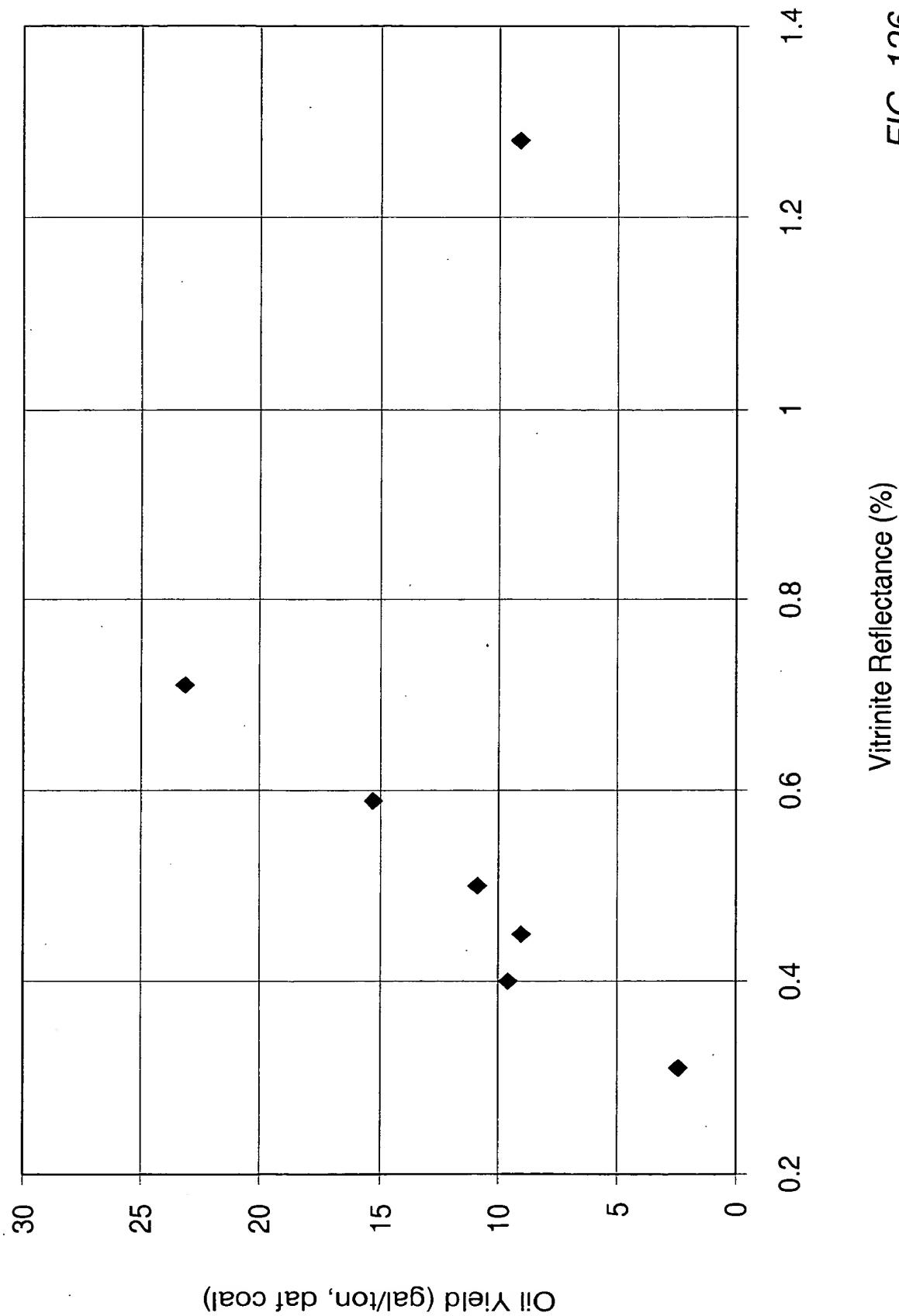


FIG. 126

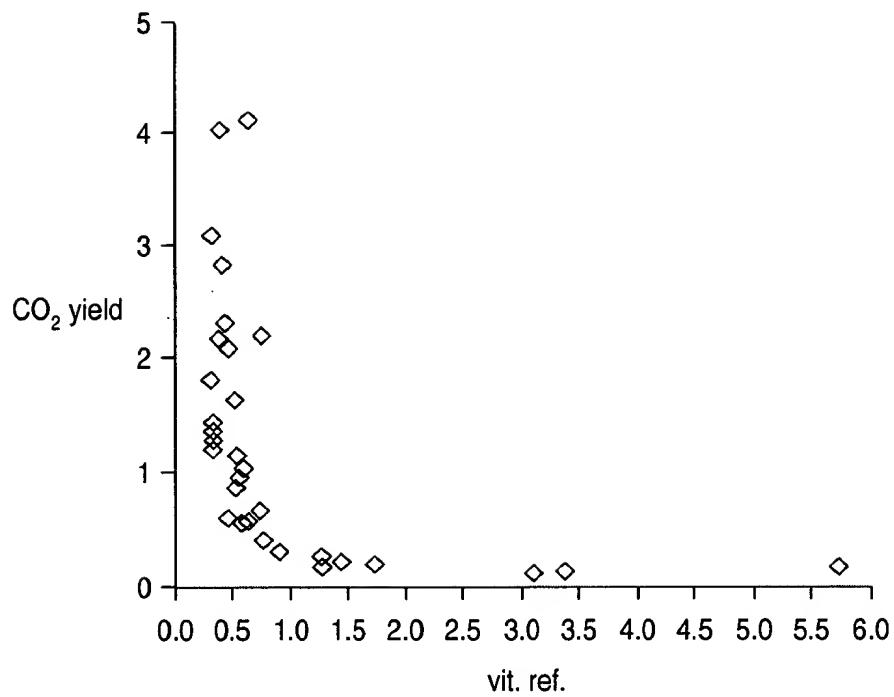


FIG. 127

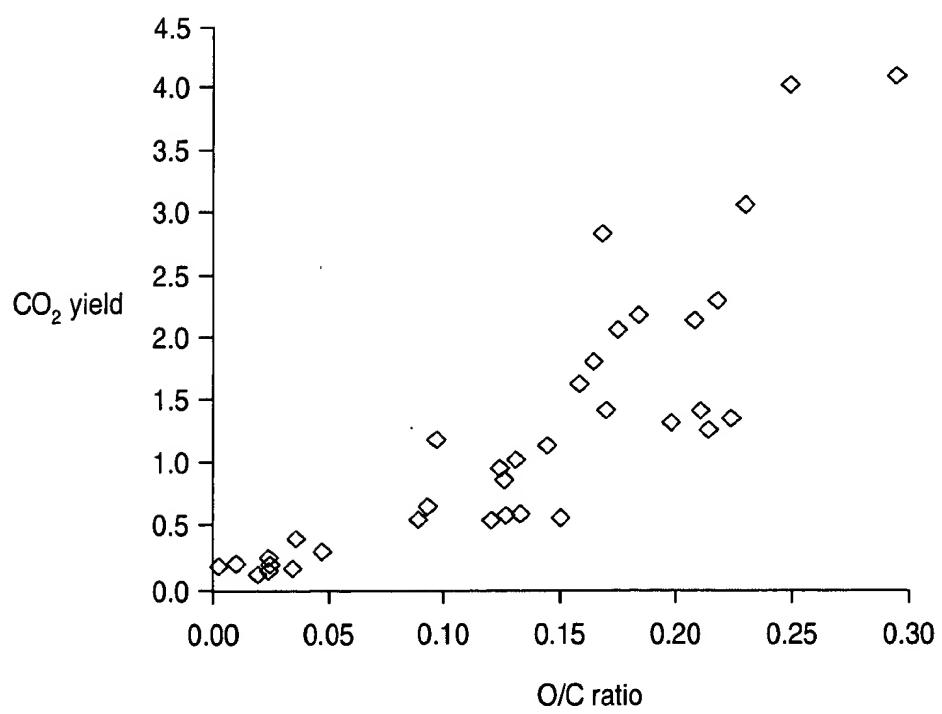
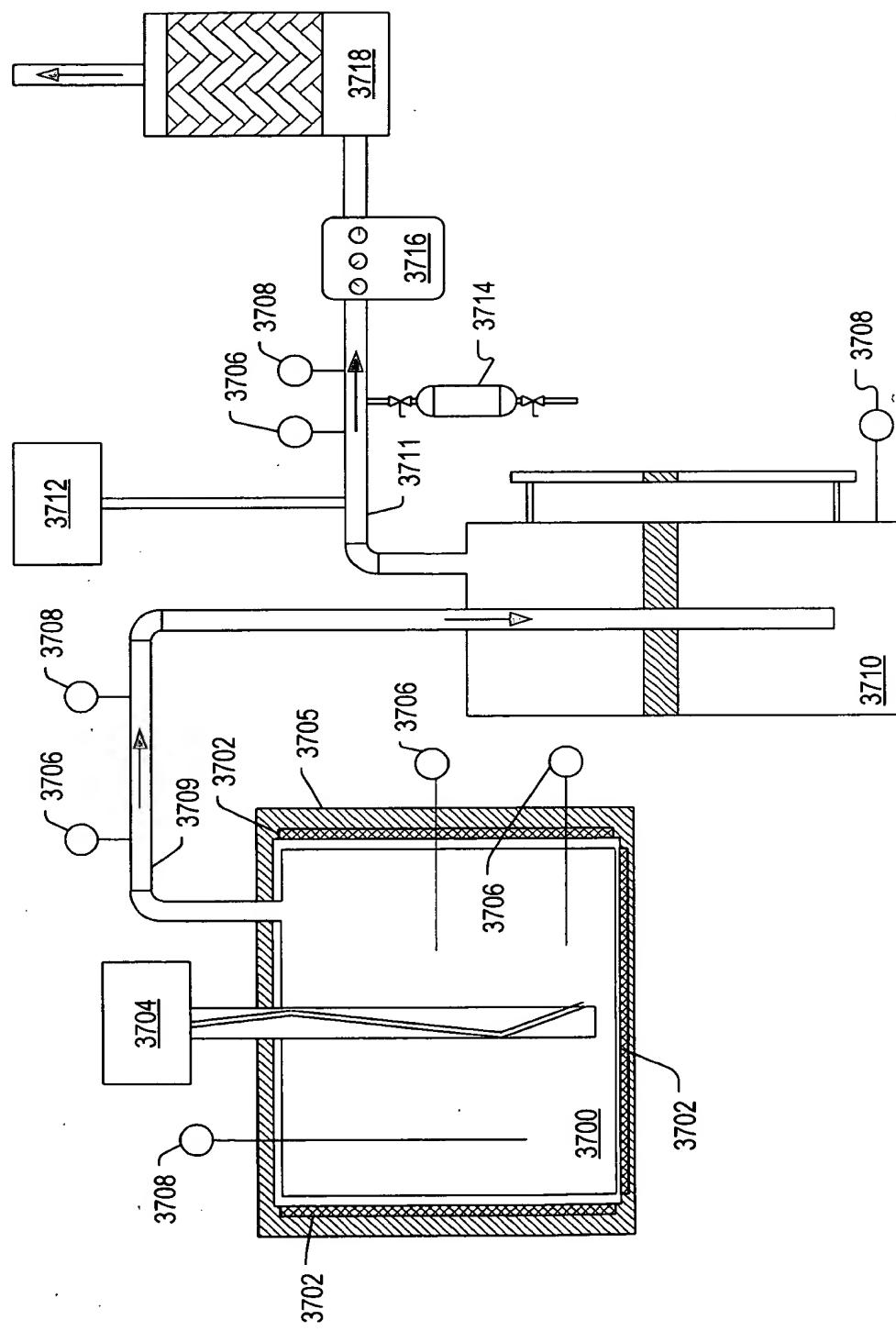


FIG. 128

FIG. 129



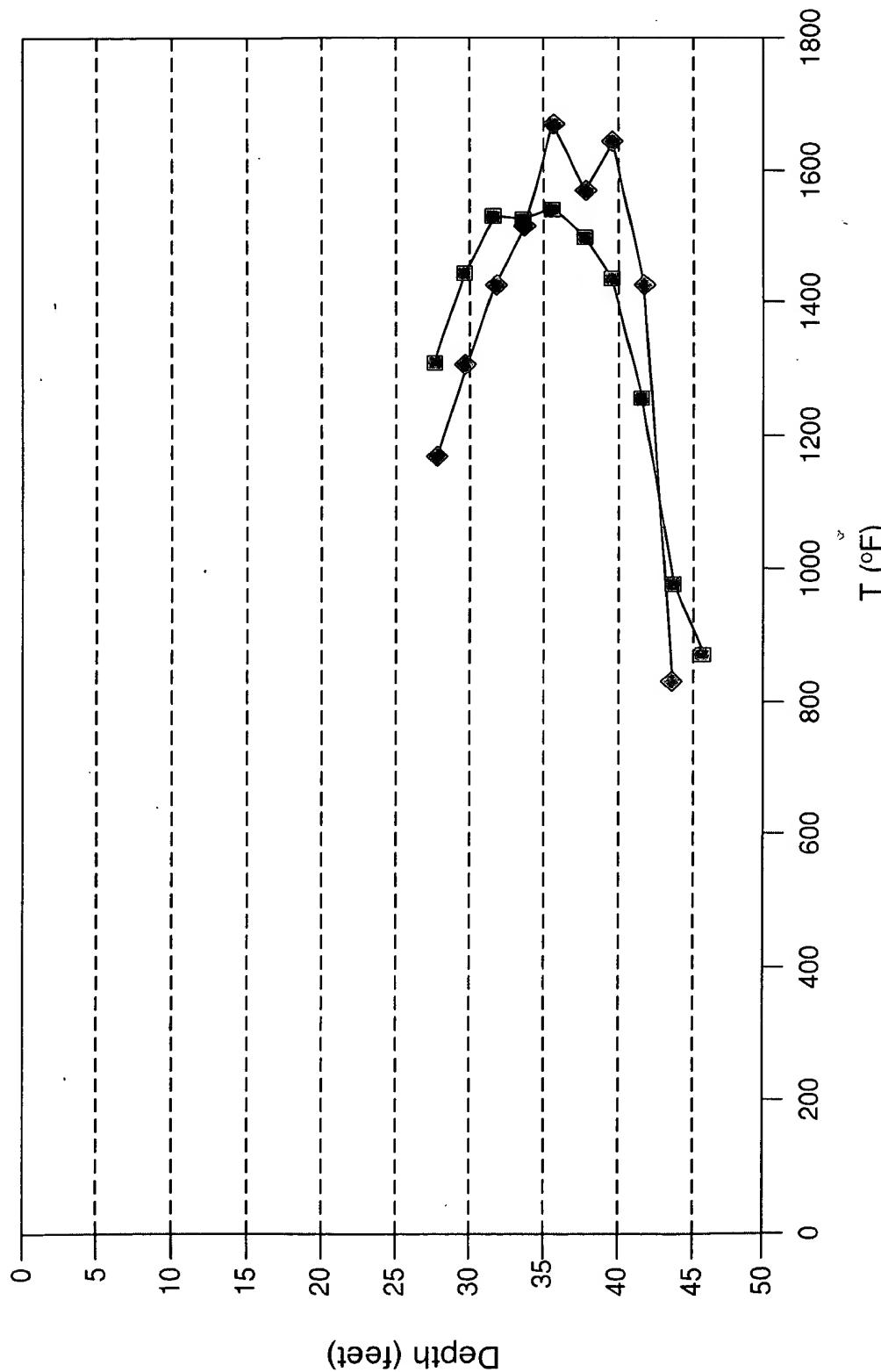


FIG. 130

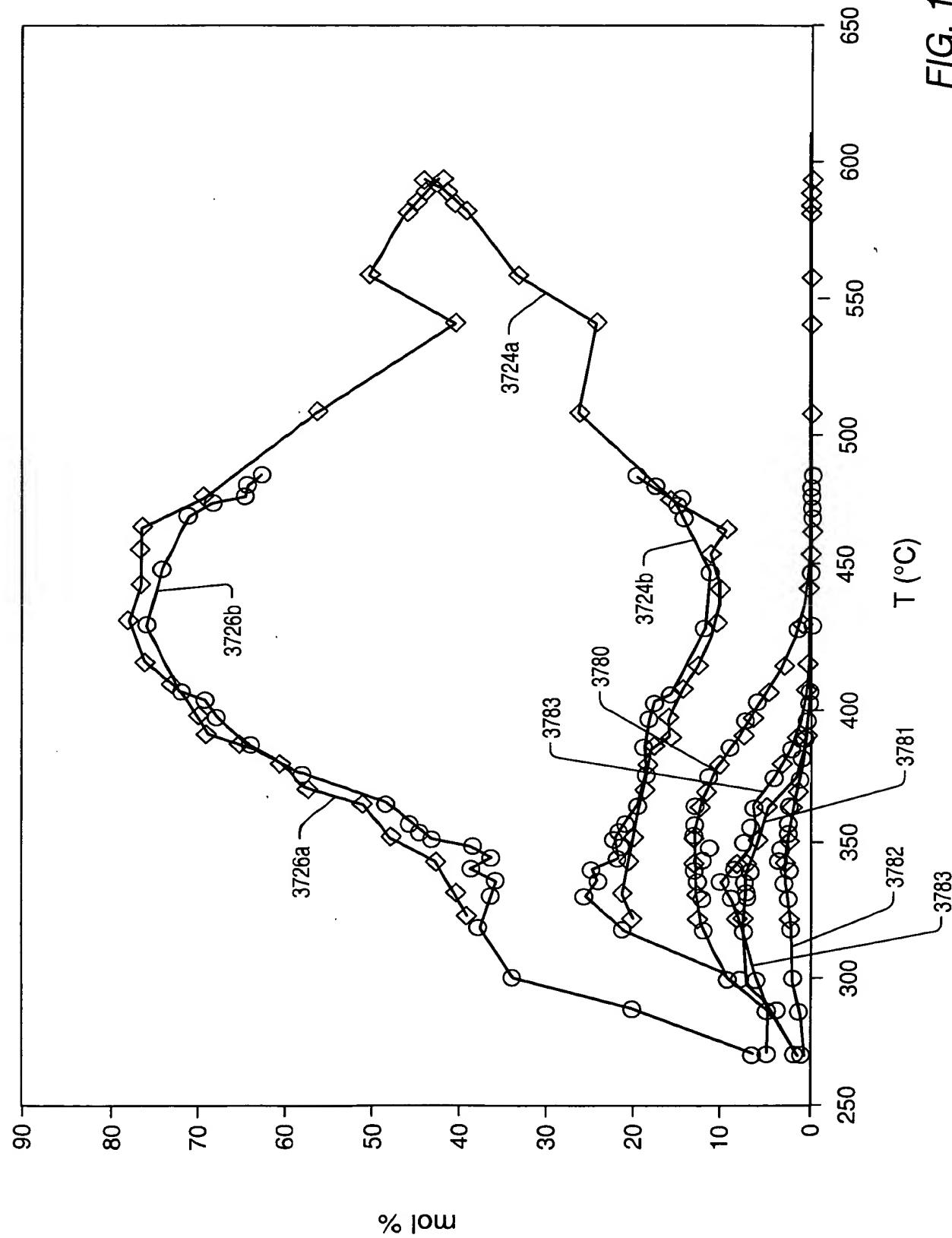


FIG. 131

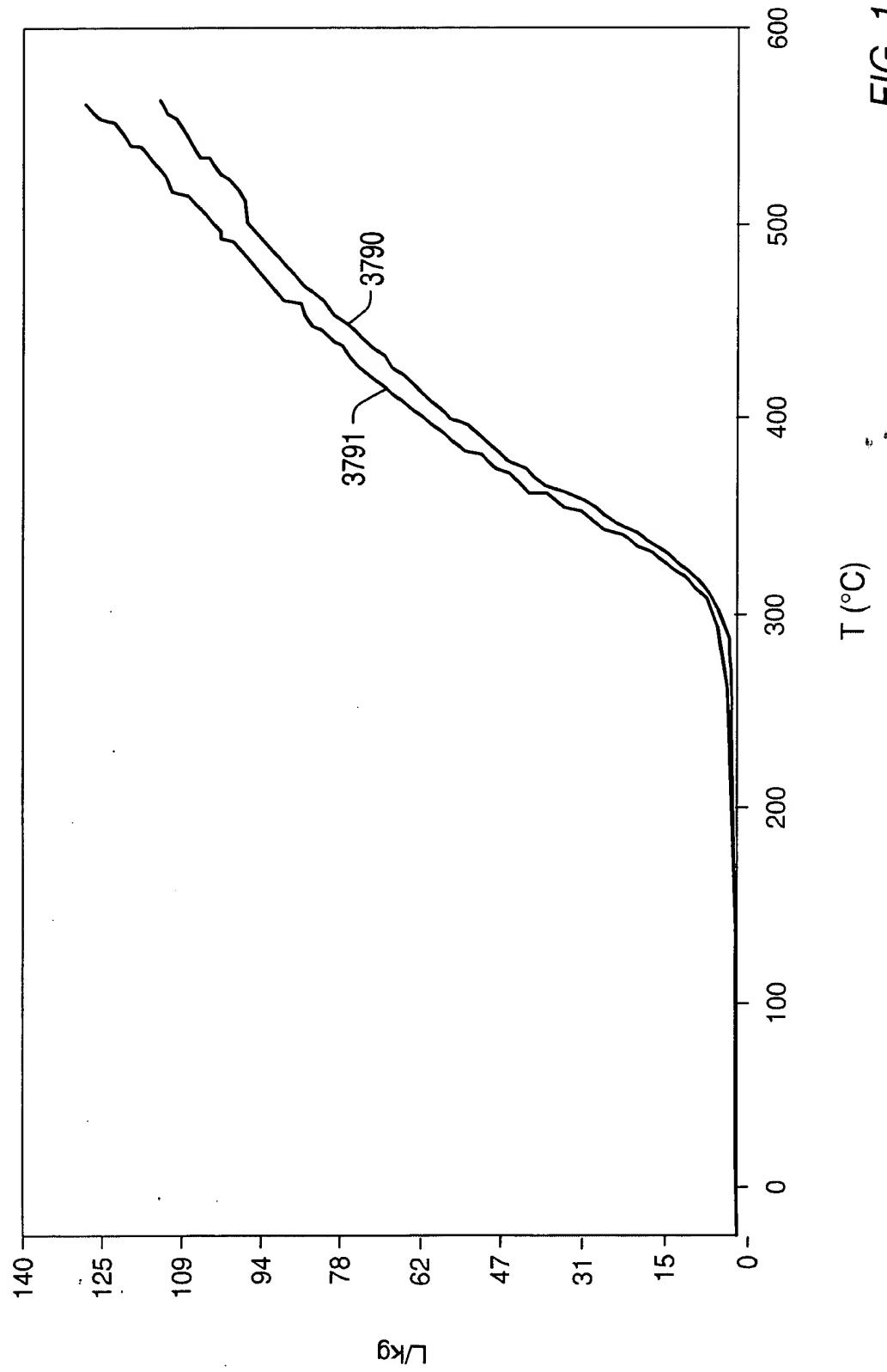


FIG. 132

FIG. 133

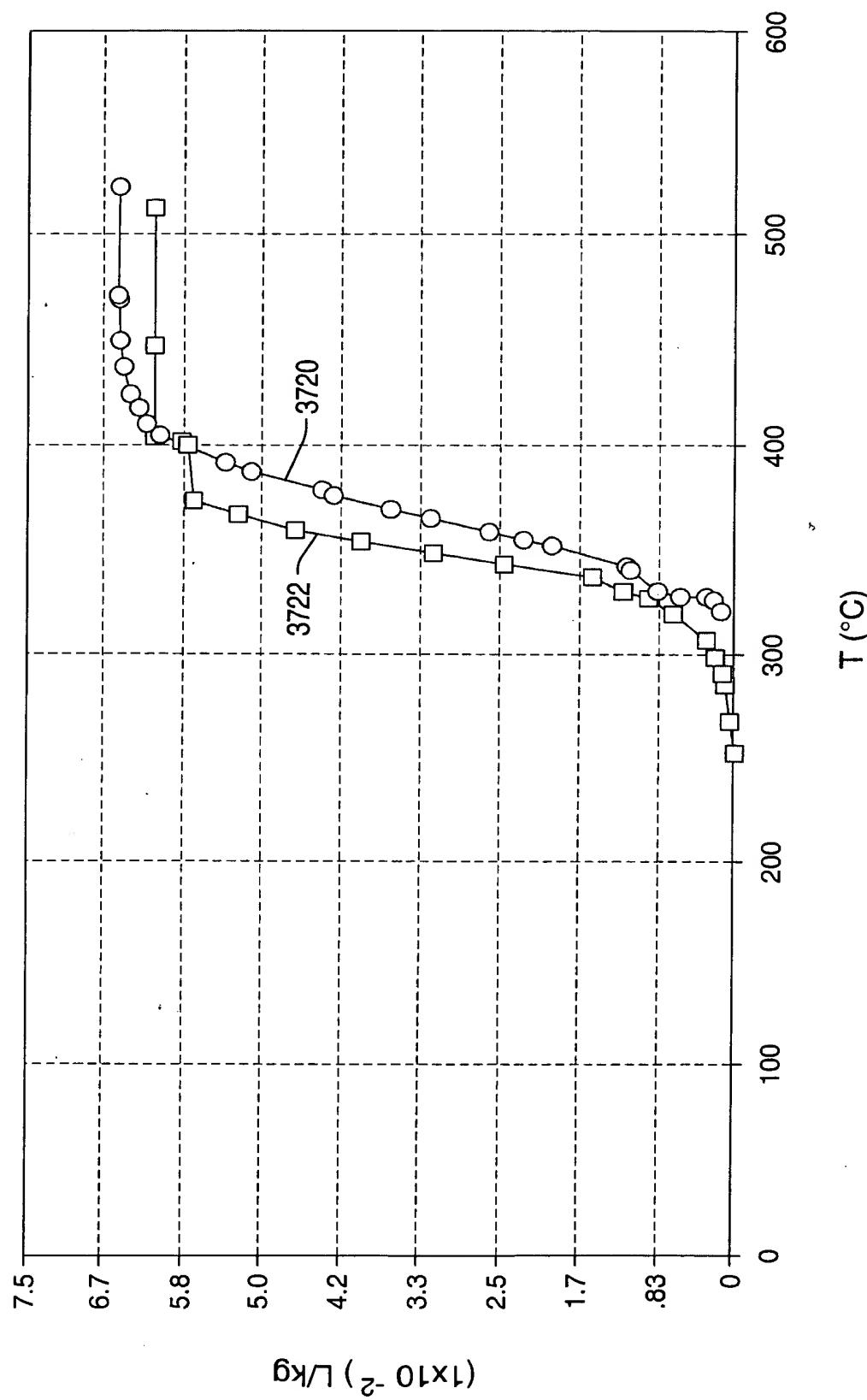


FIG. 134

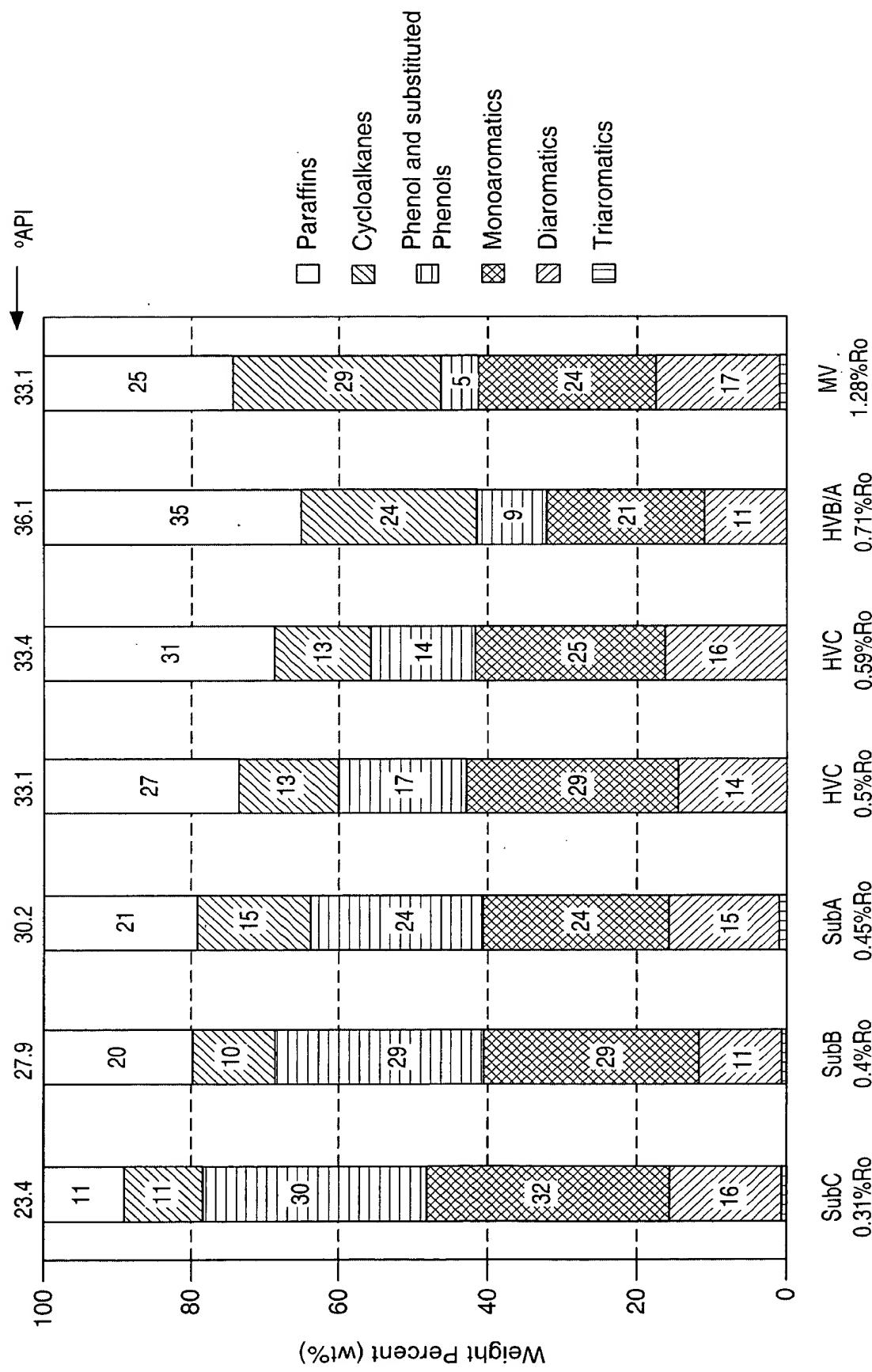
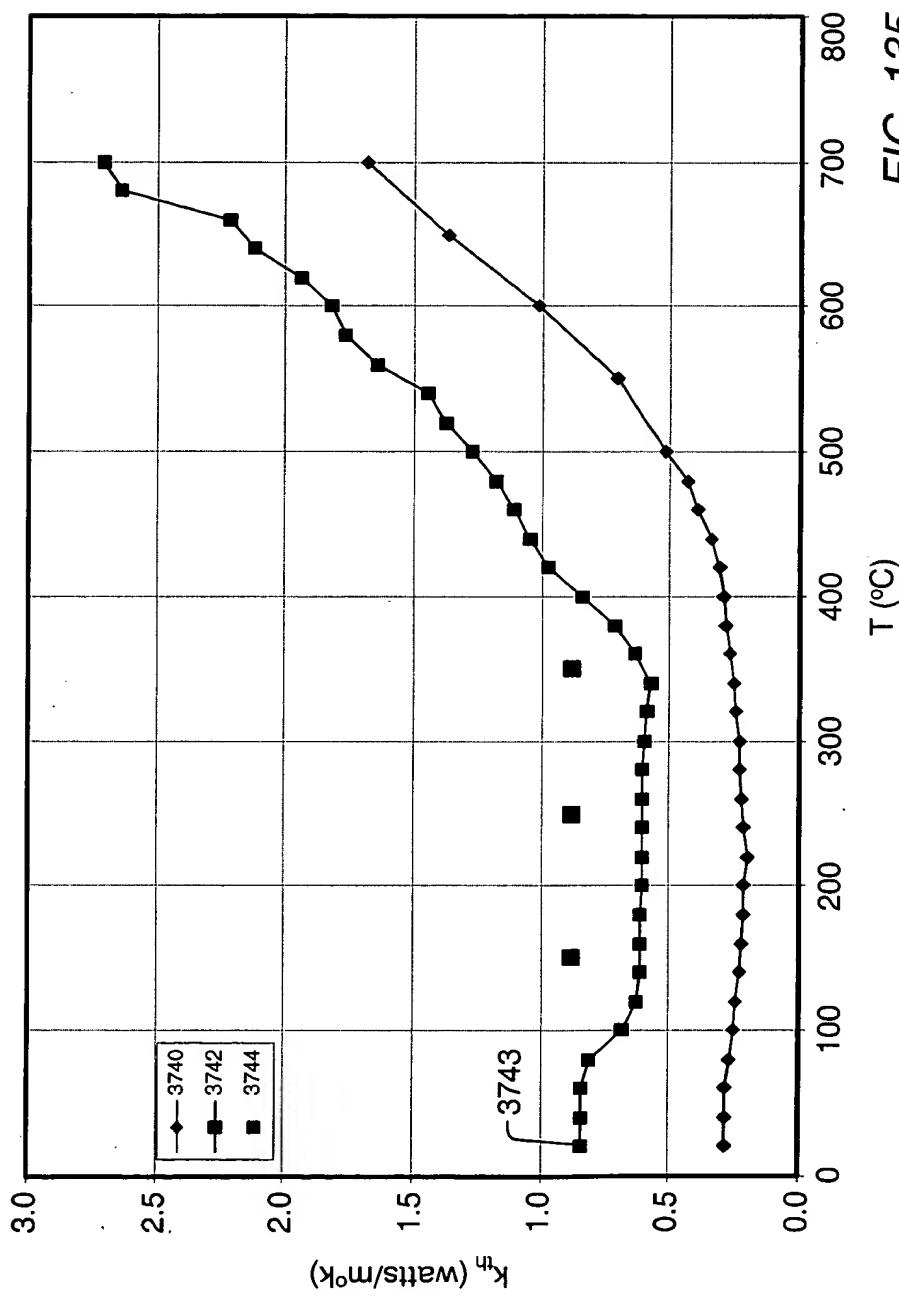


FIG. 135



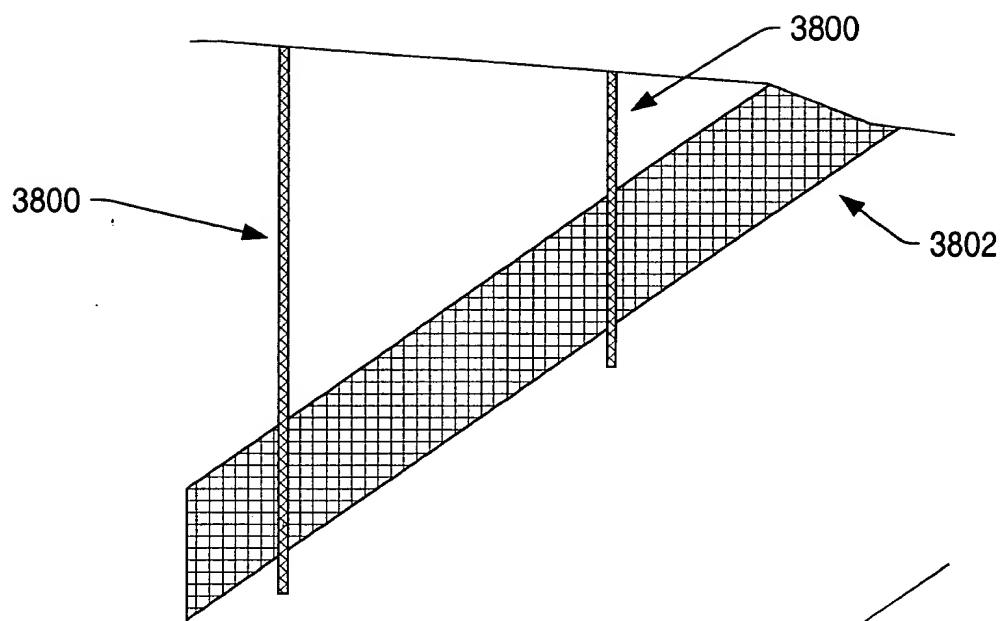


FIG. 136

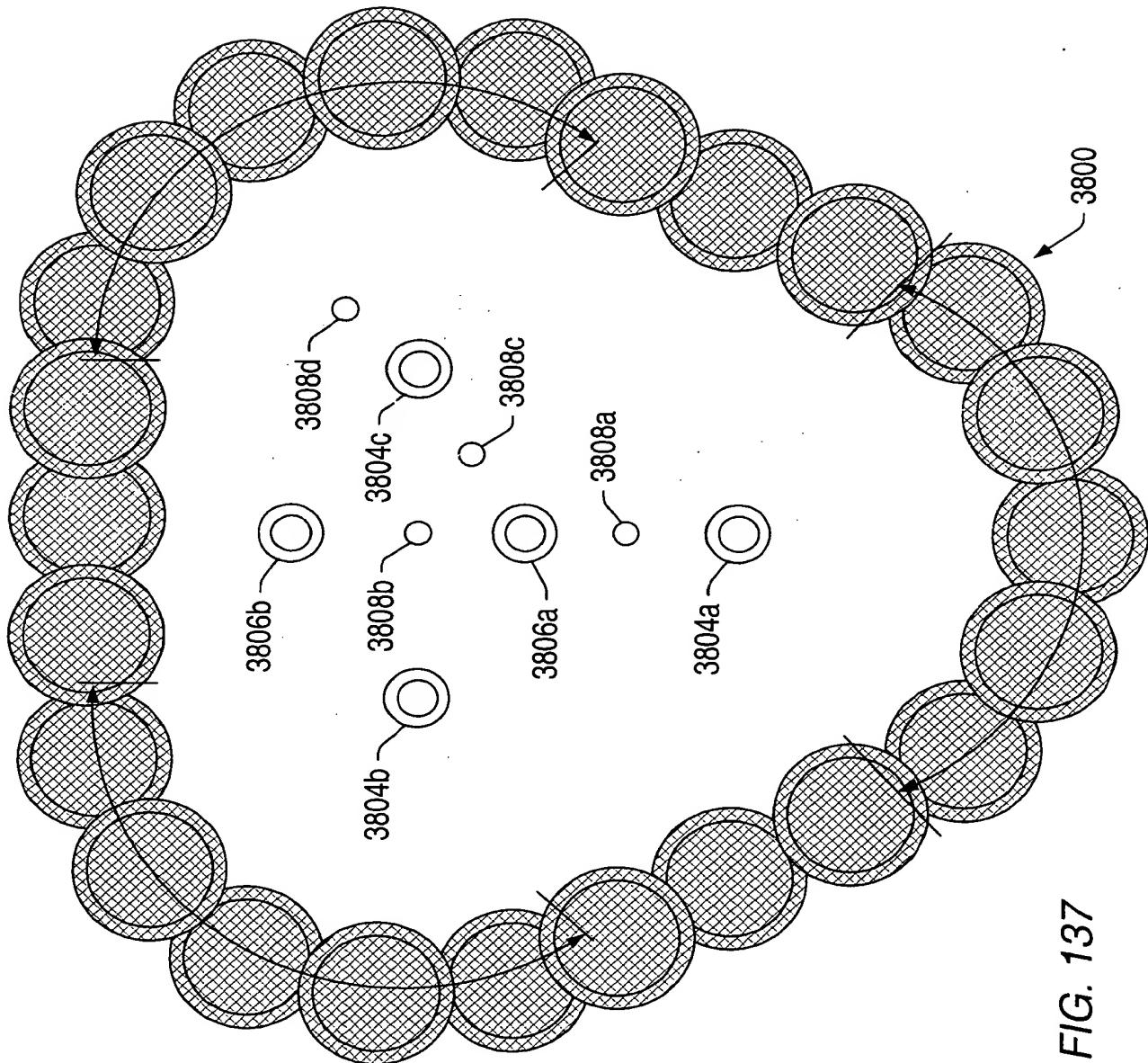


FIG. 137

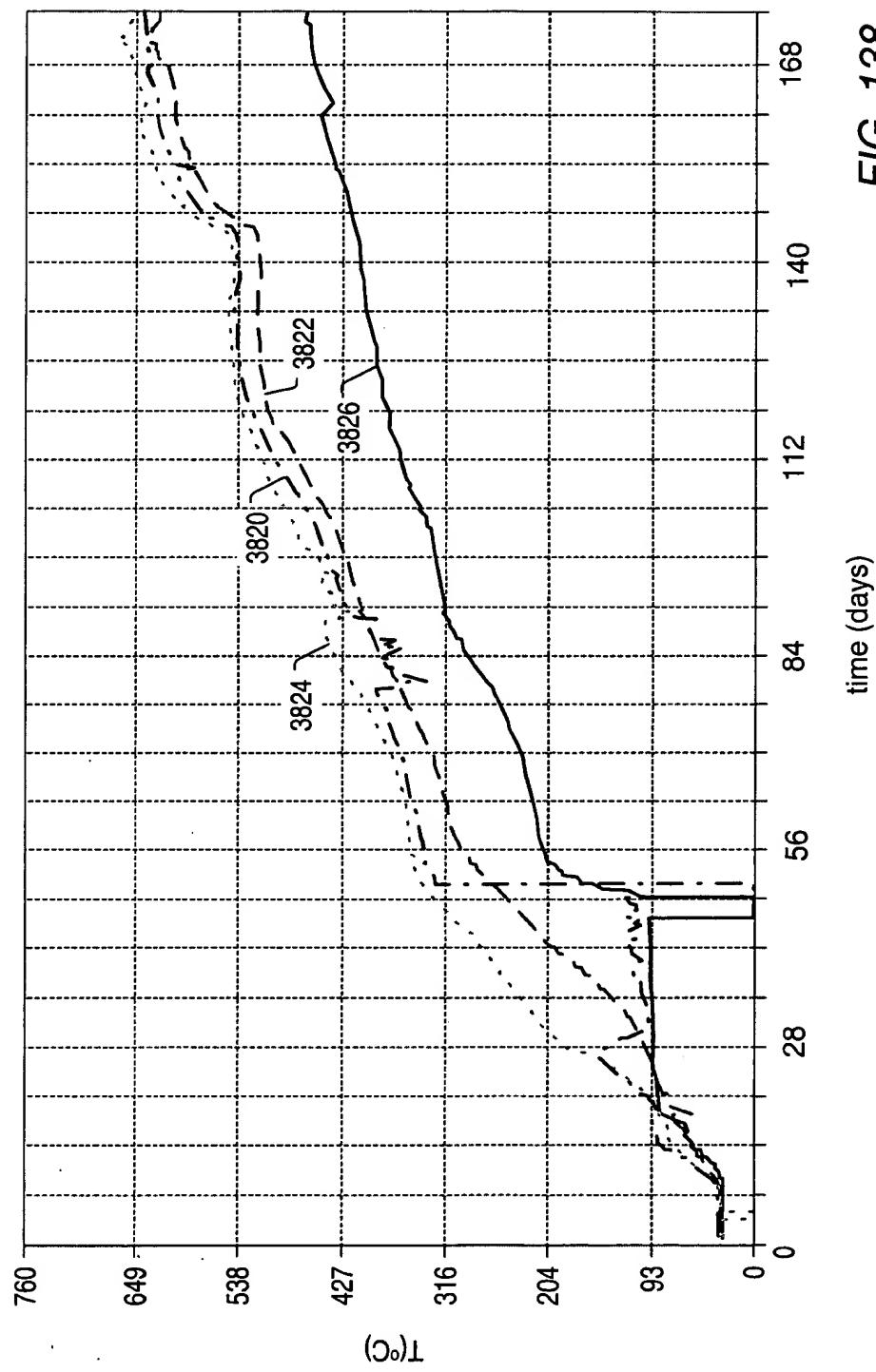


FIG. 138

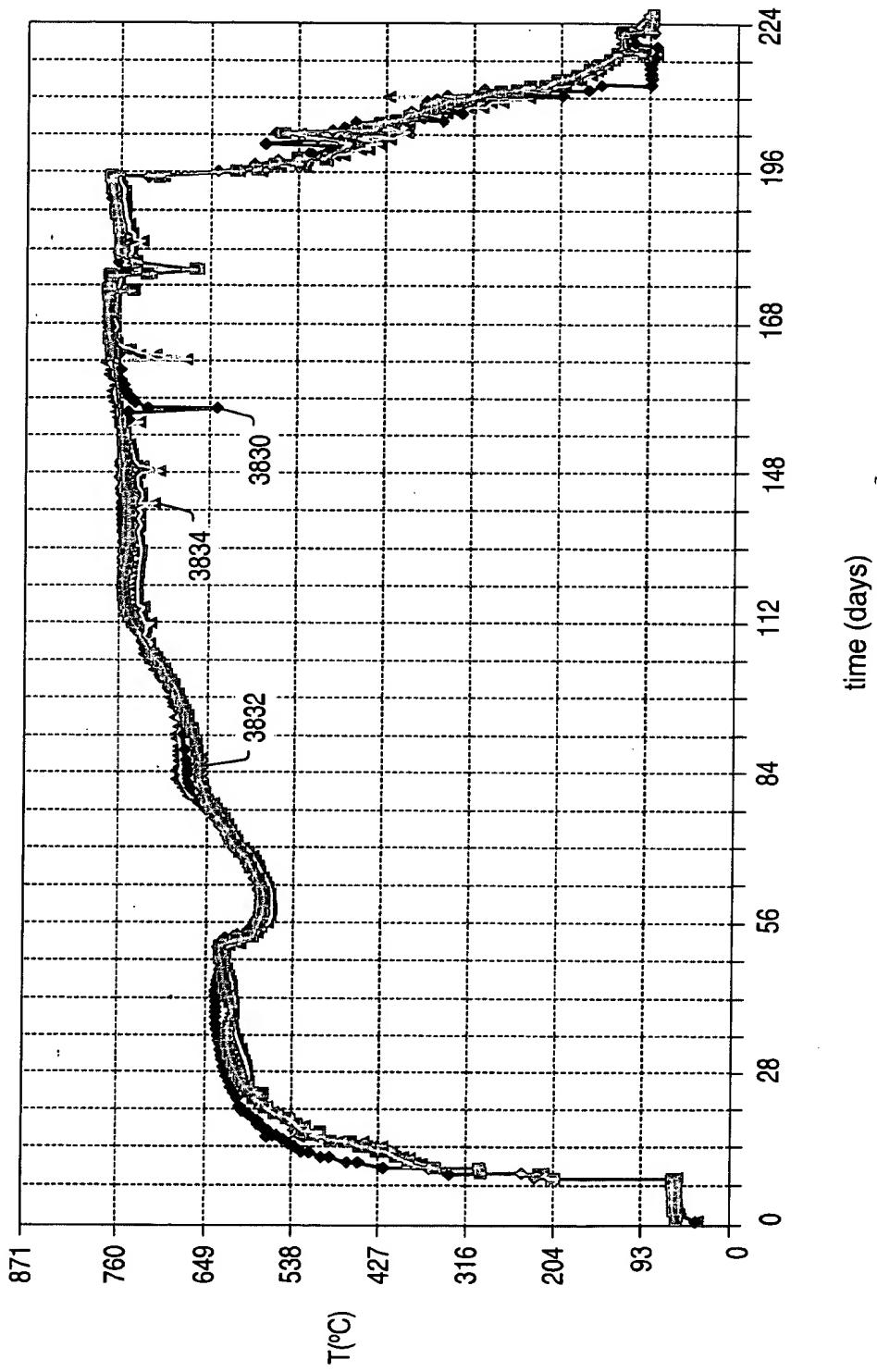


FIG. 139

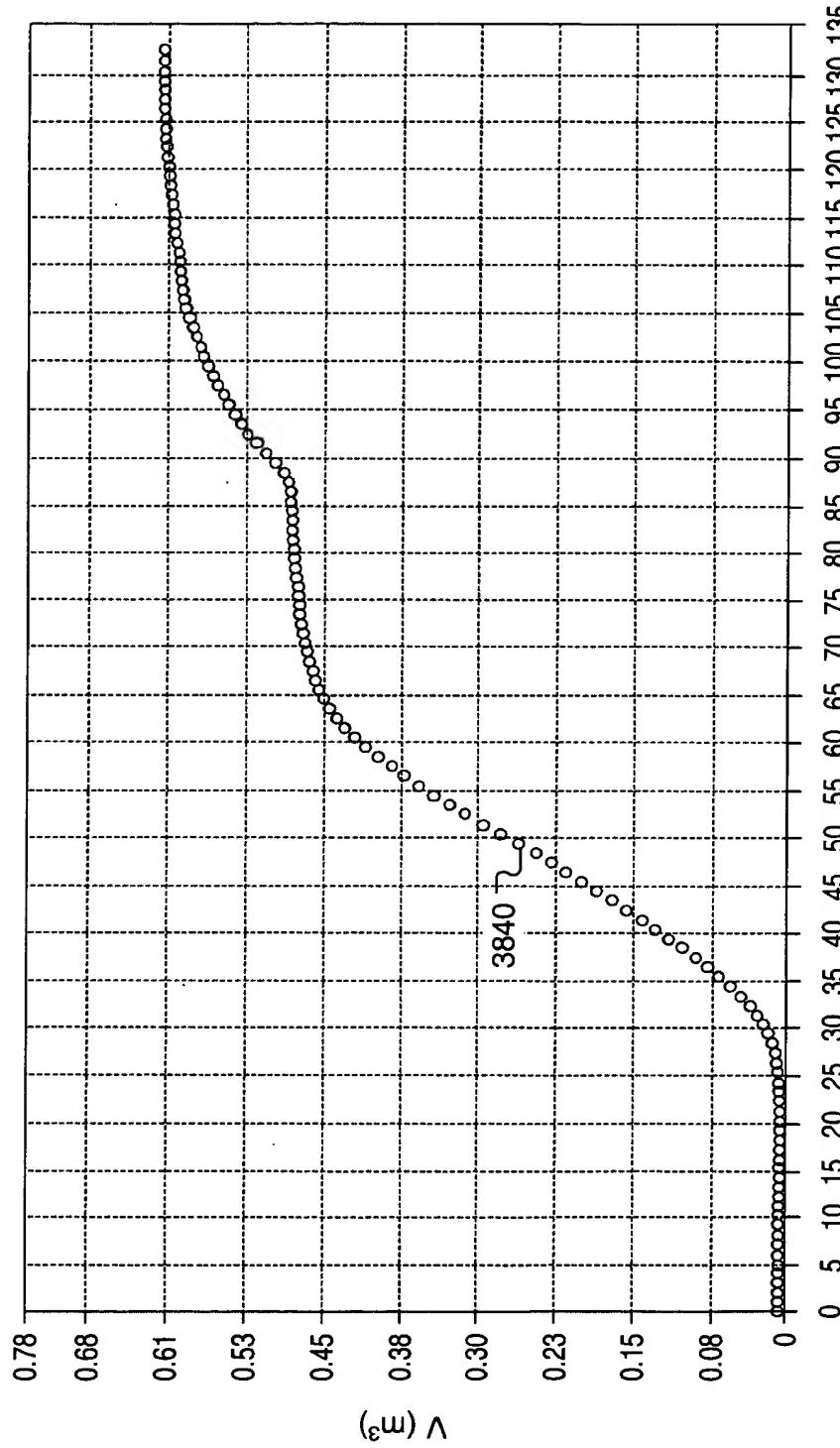


FIG. 140
time (days)

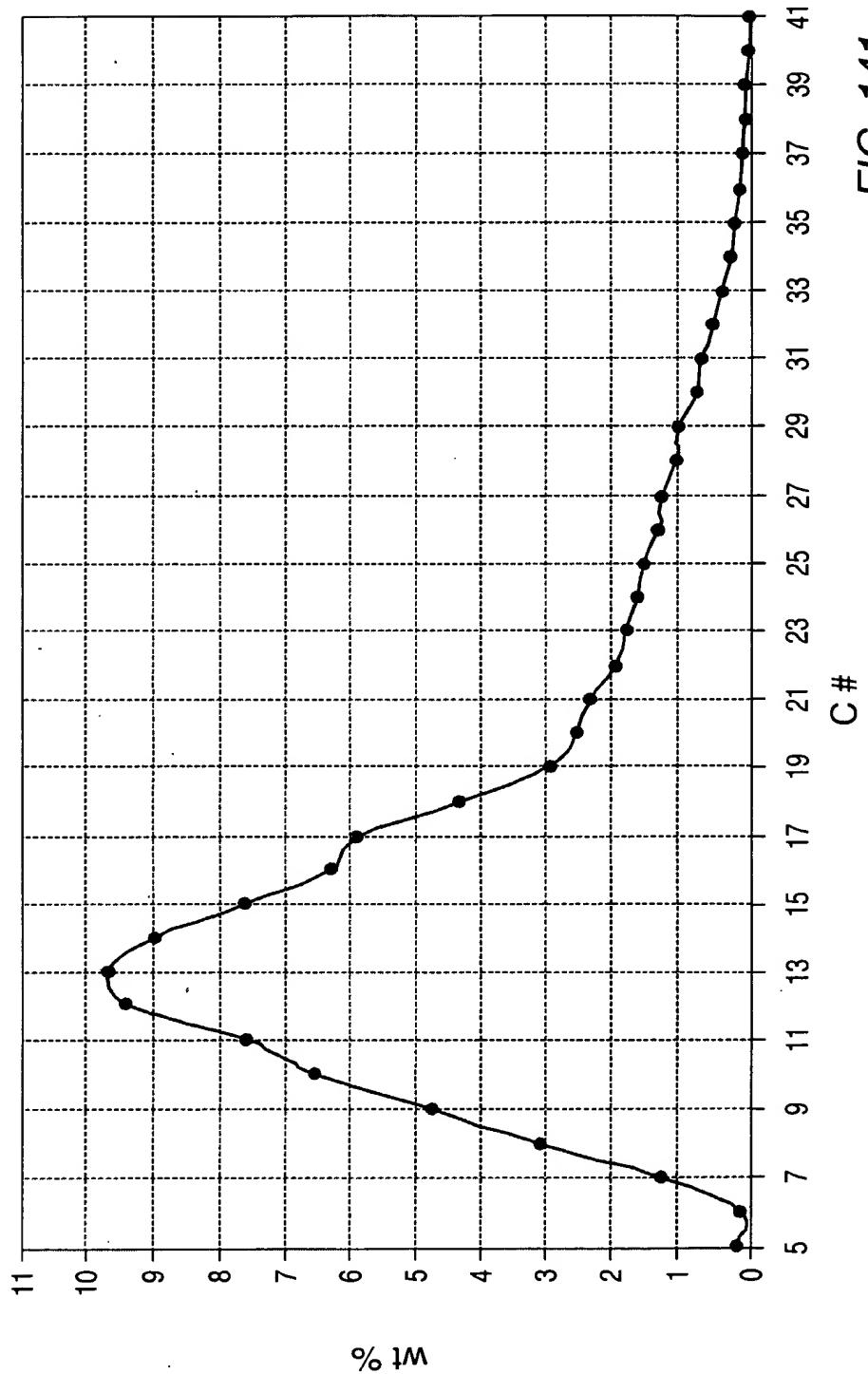


FIG. 141

FIG. 142

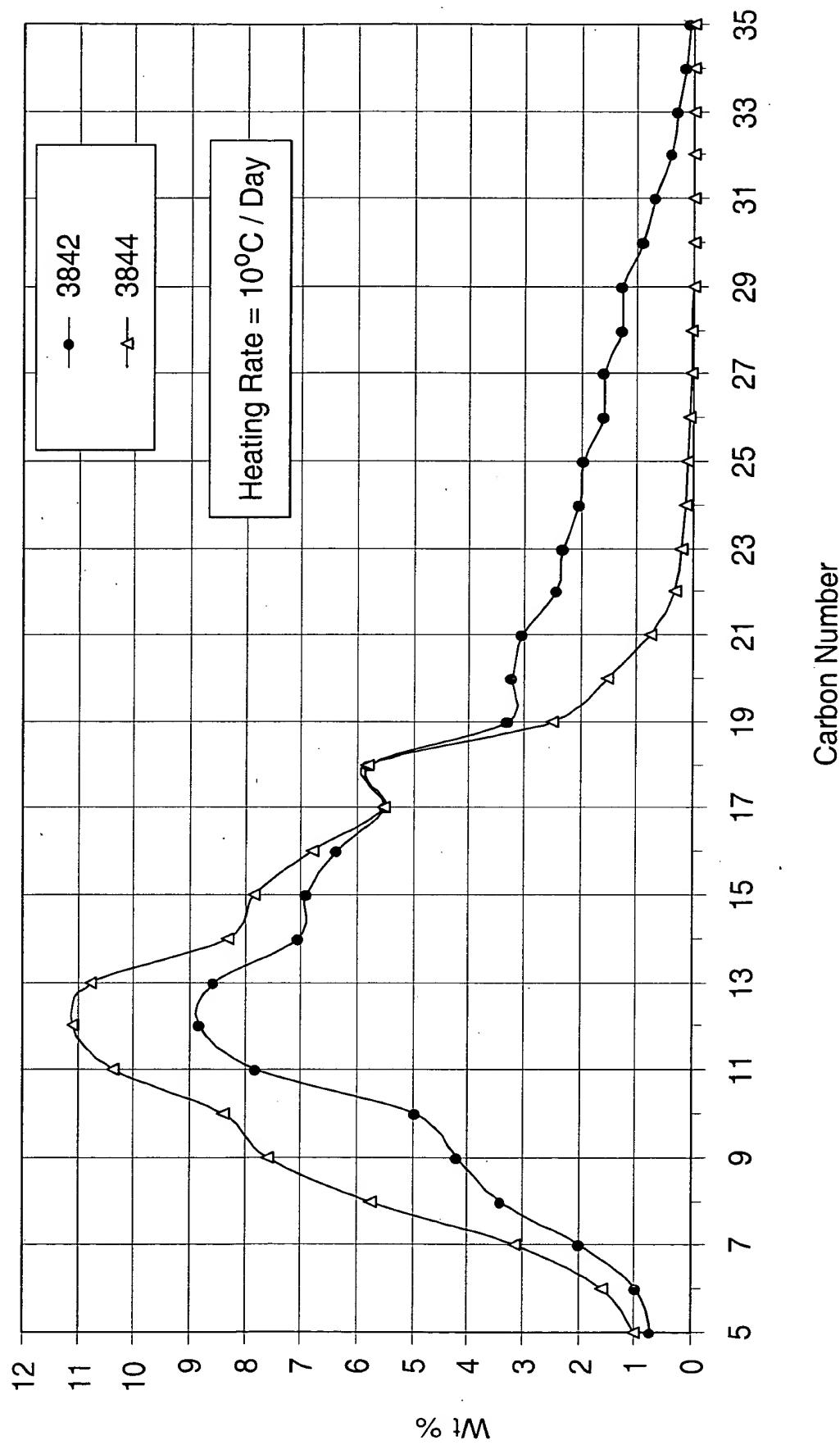
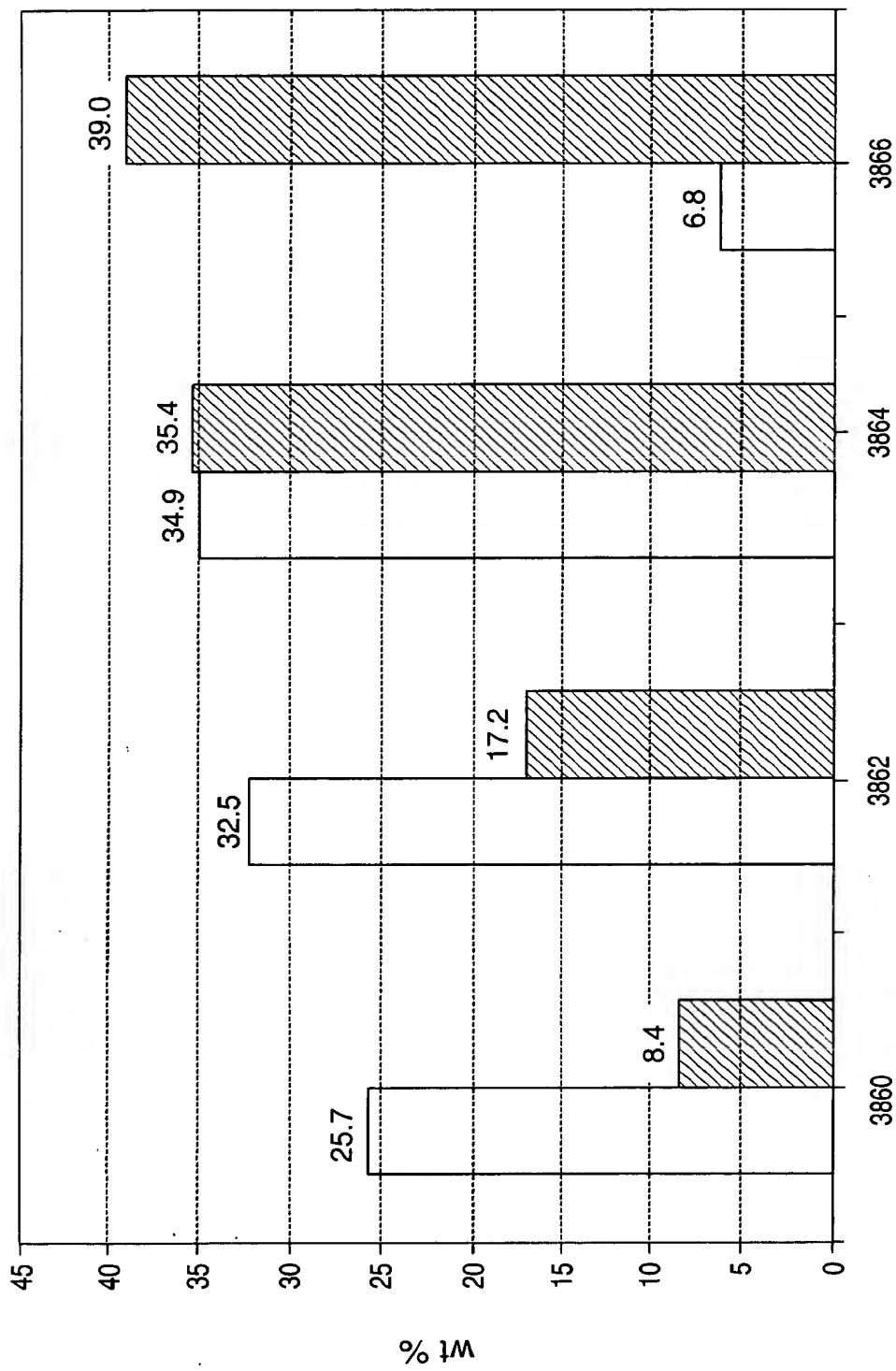


FIG. 143



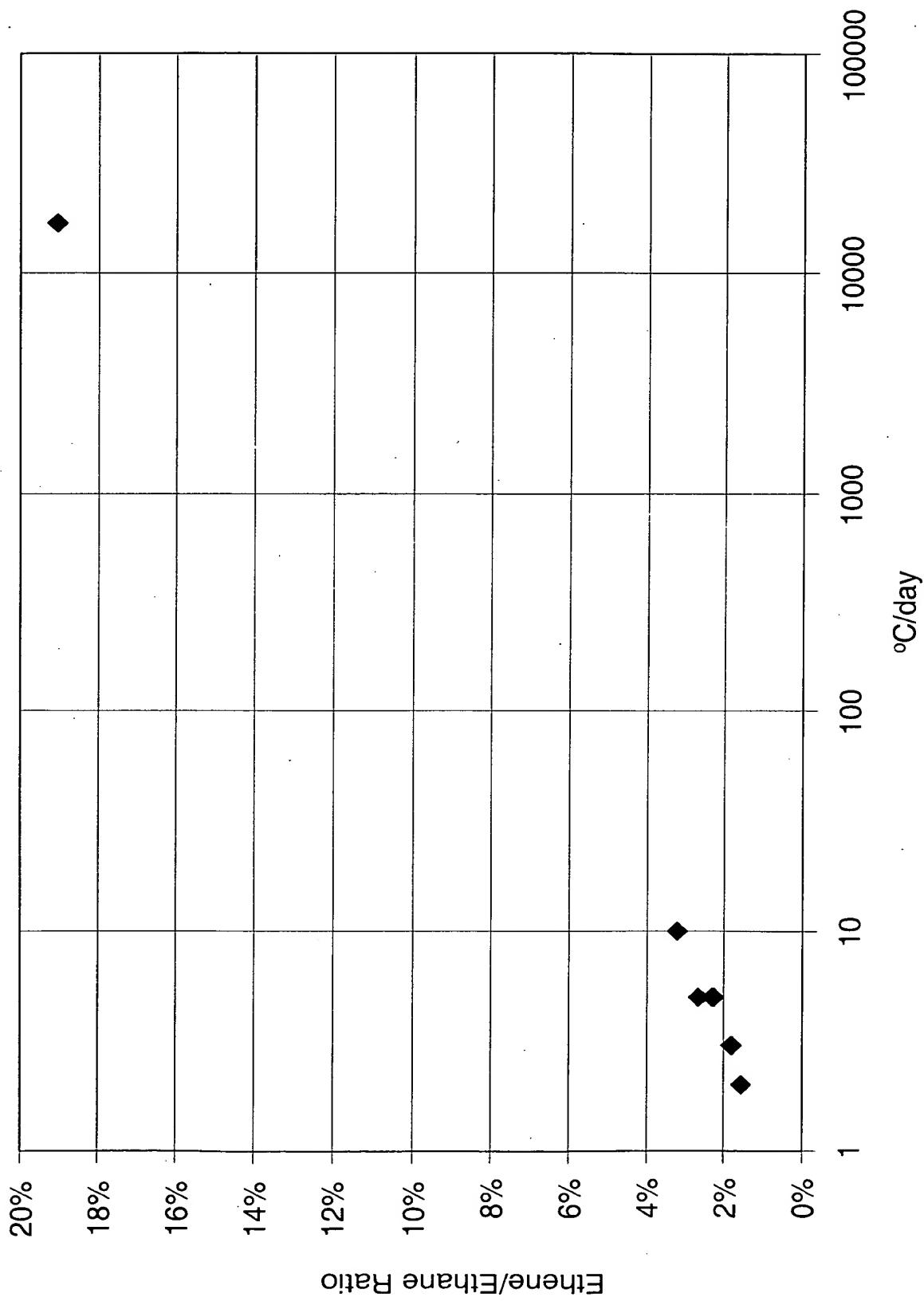


FIG. 144

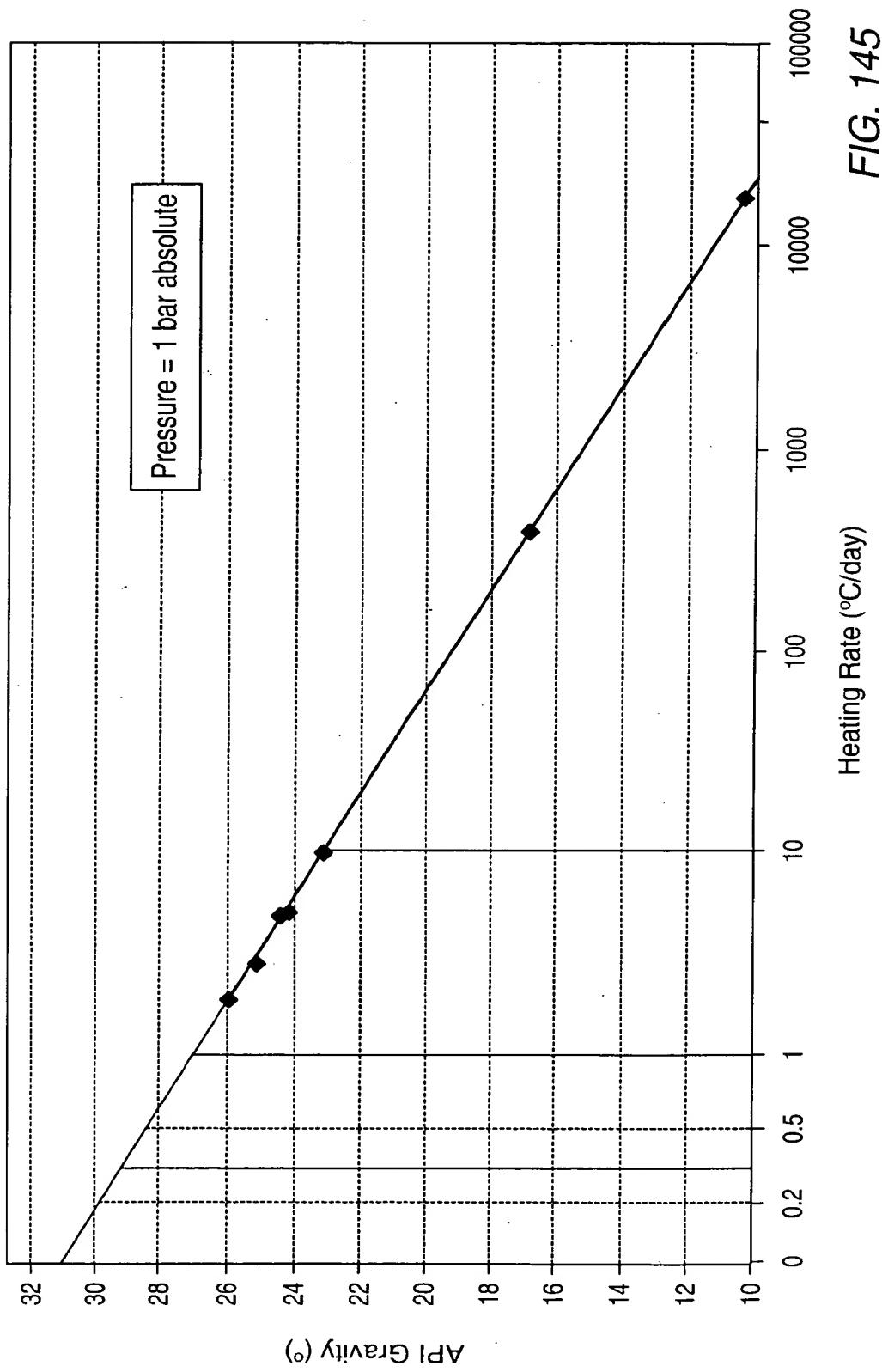


FIG. 145

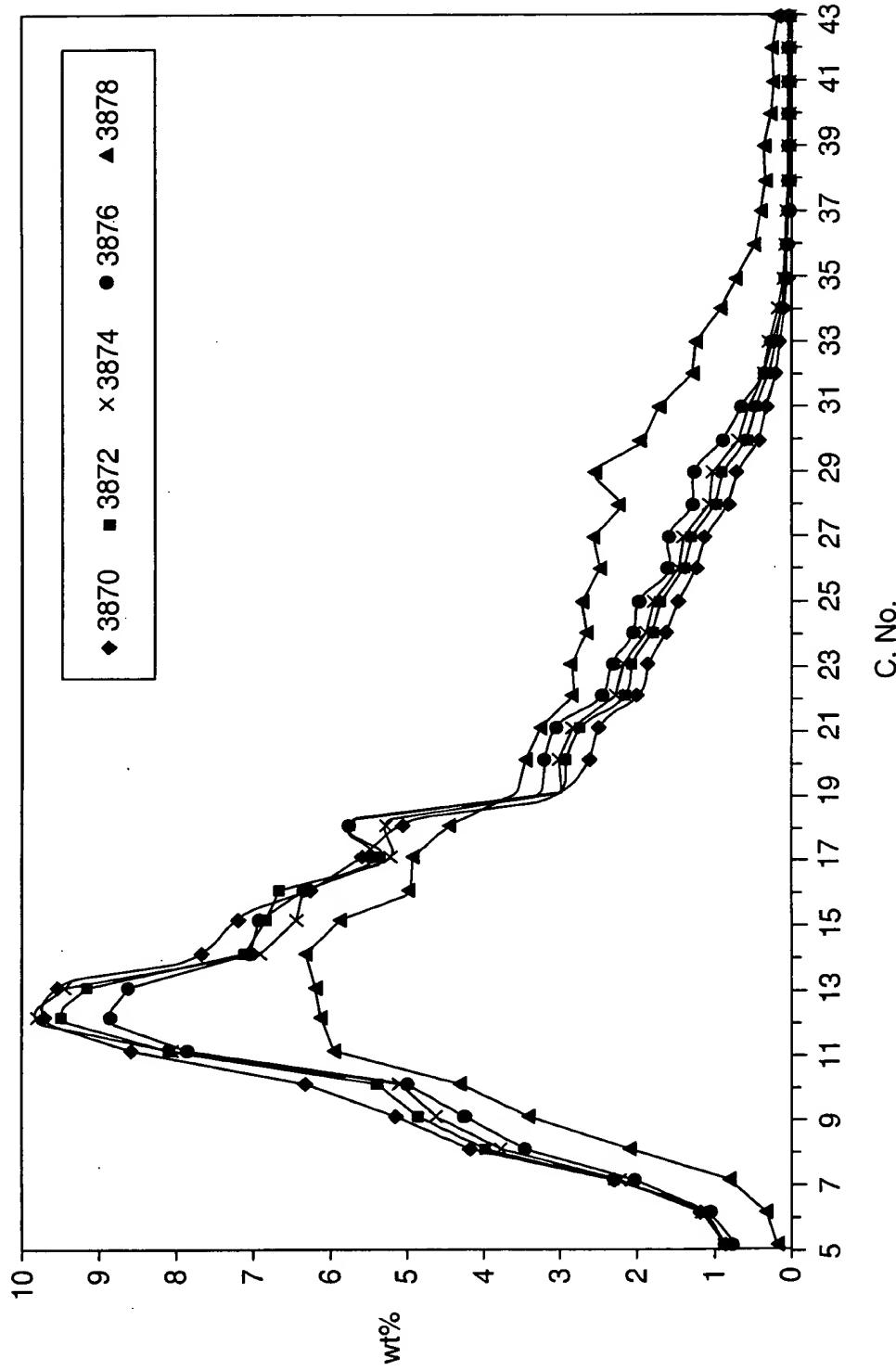
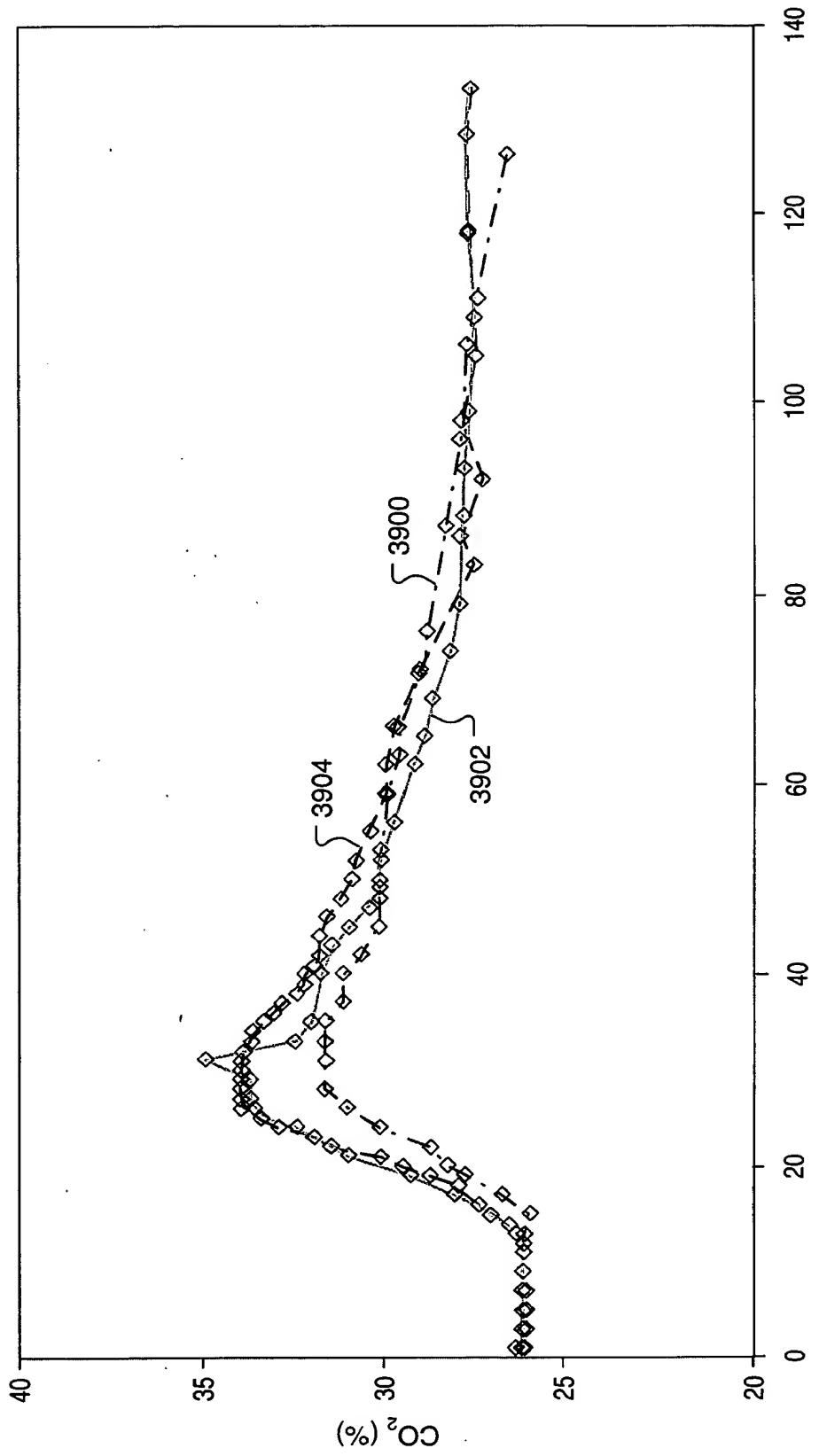


FIG. 146

FIG. 147



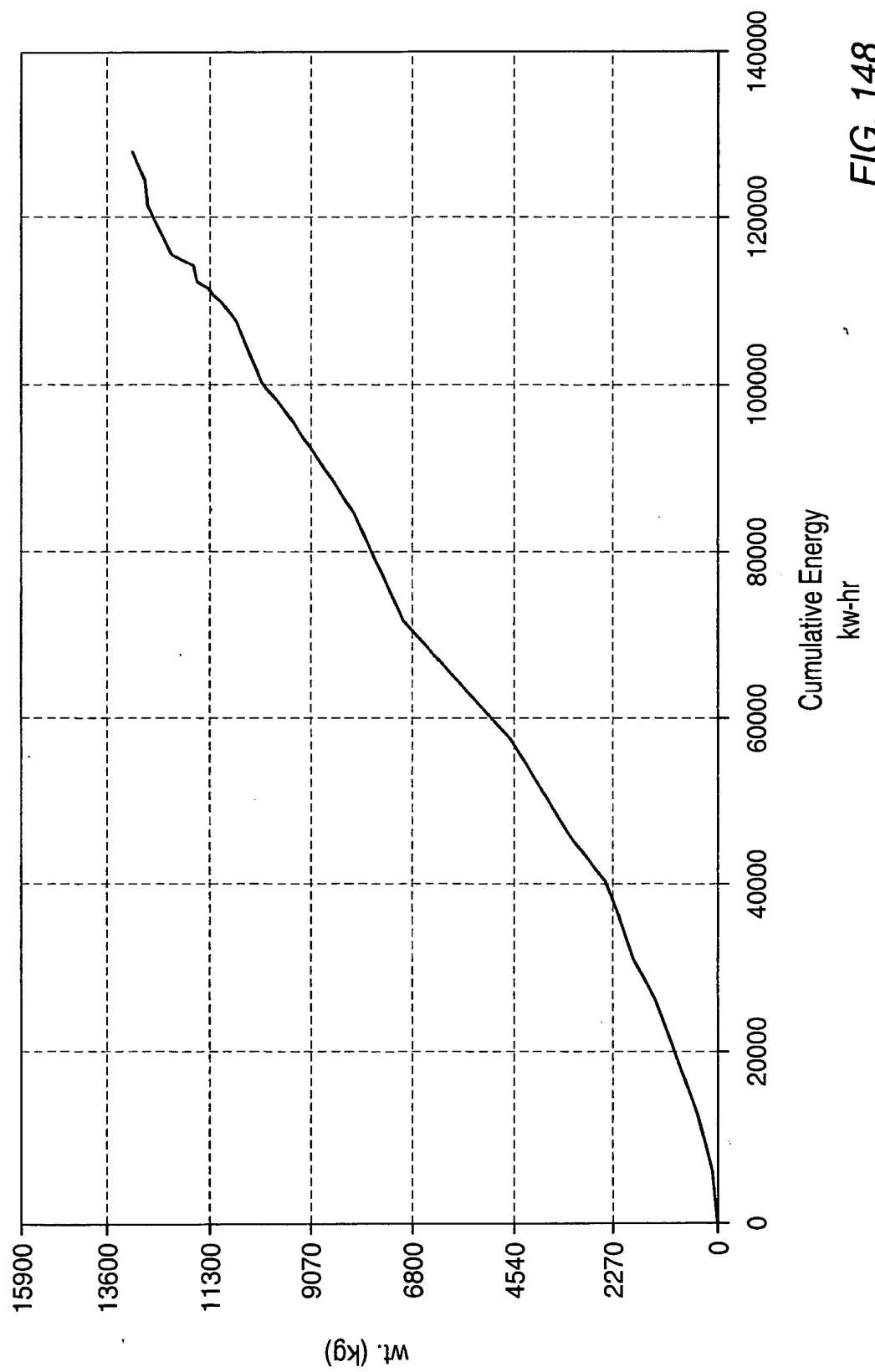


FIG. 148

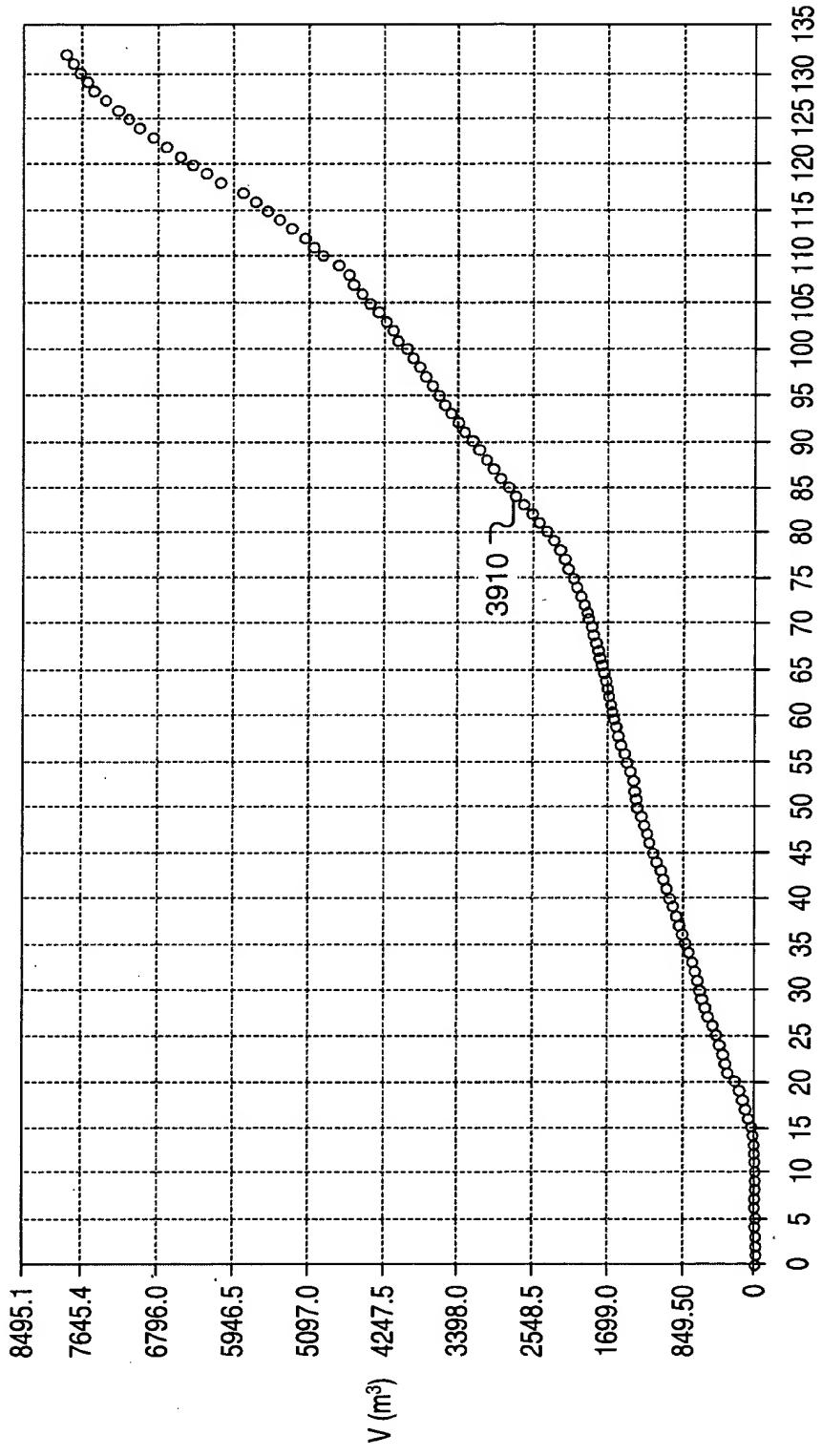


FIG. 149

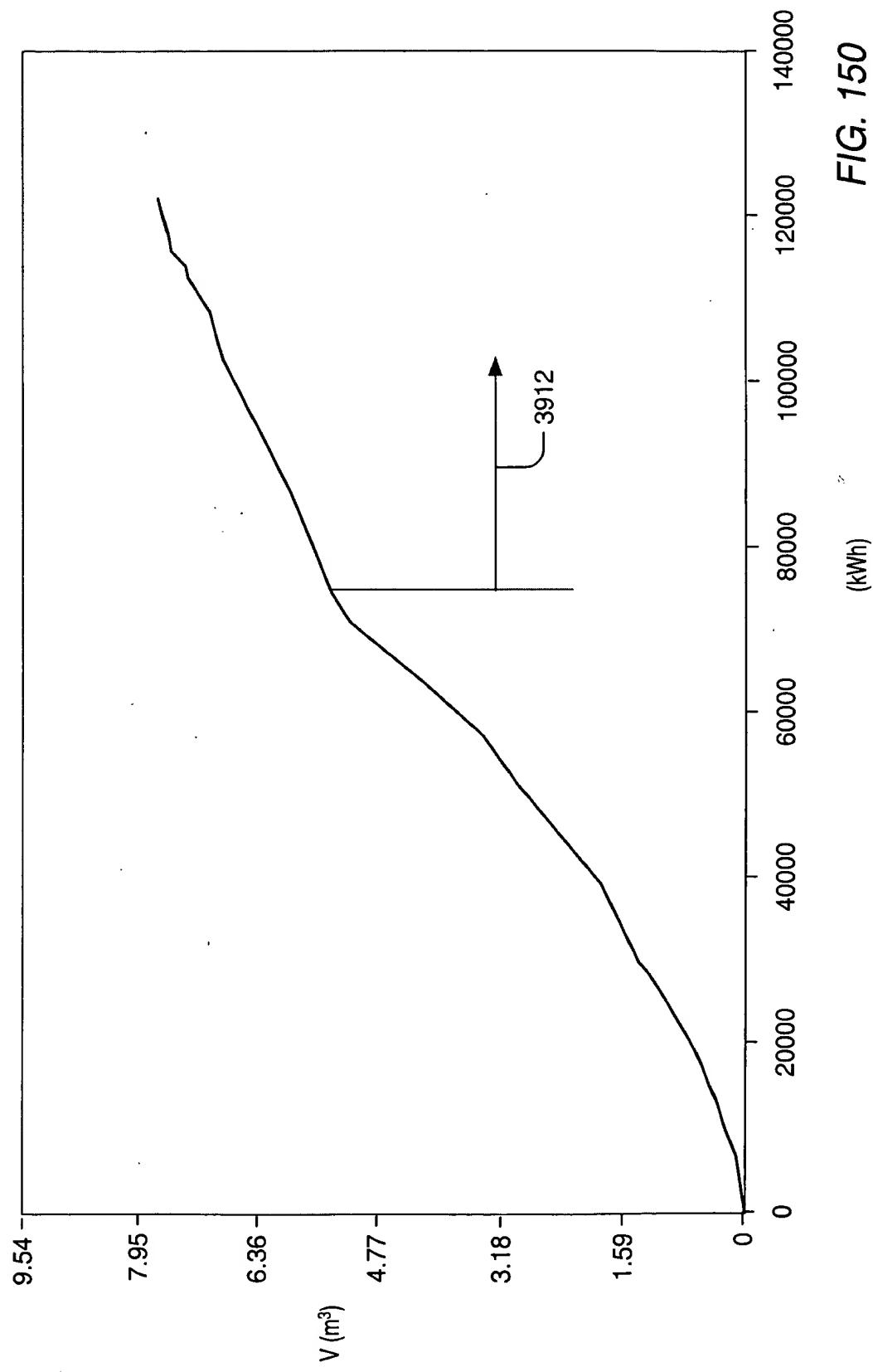


FIG. 150

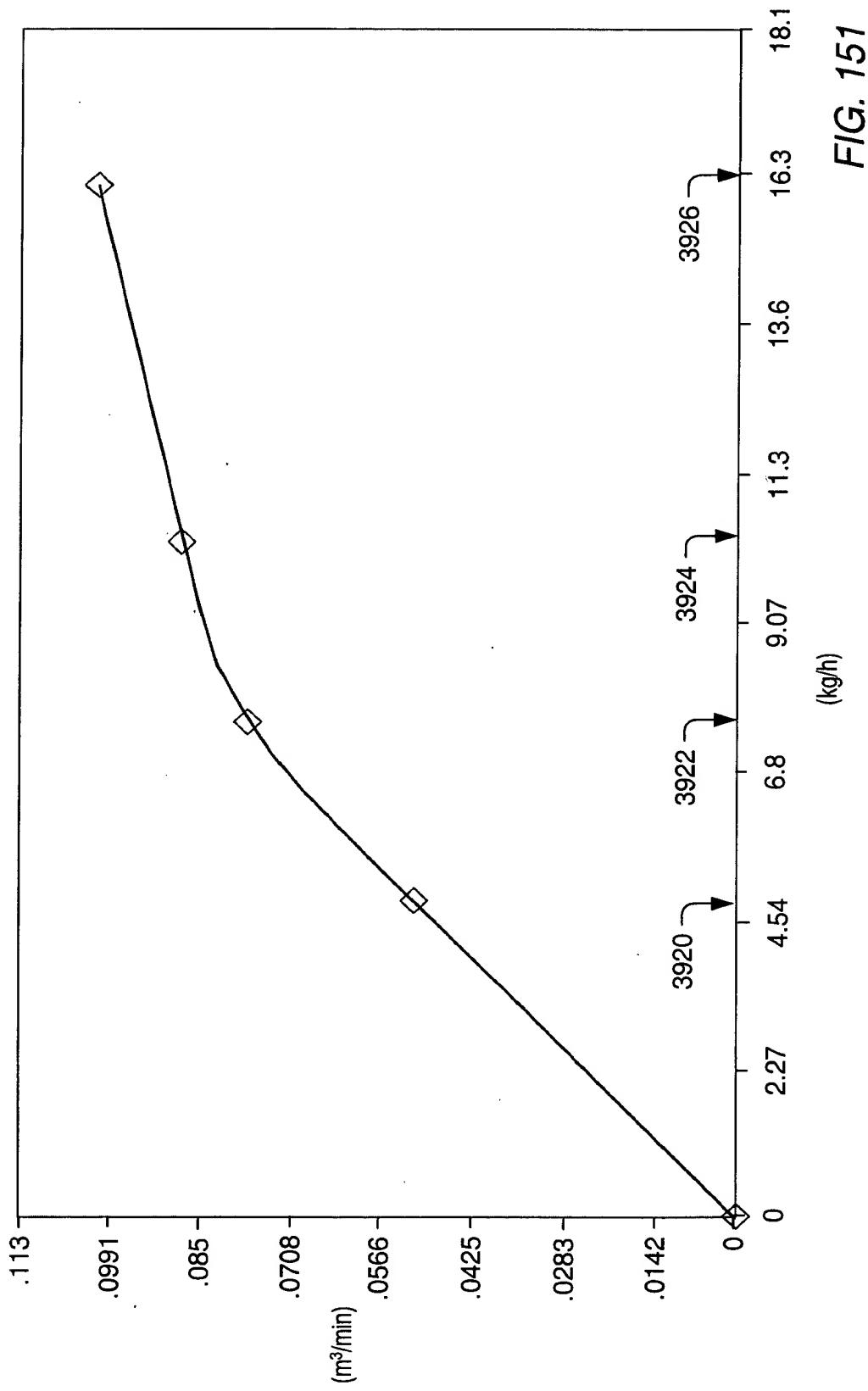


FIG. 151

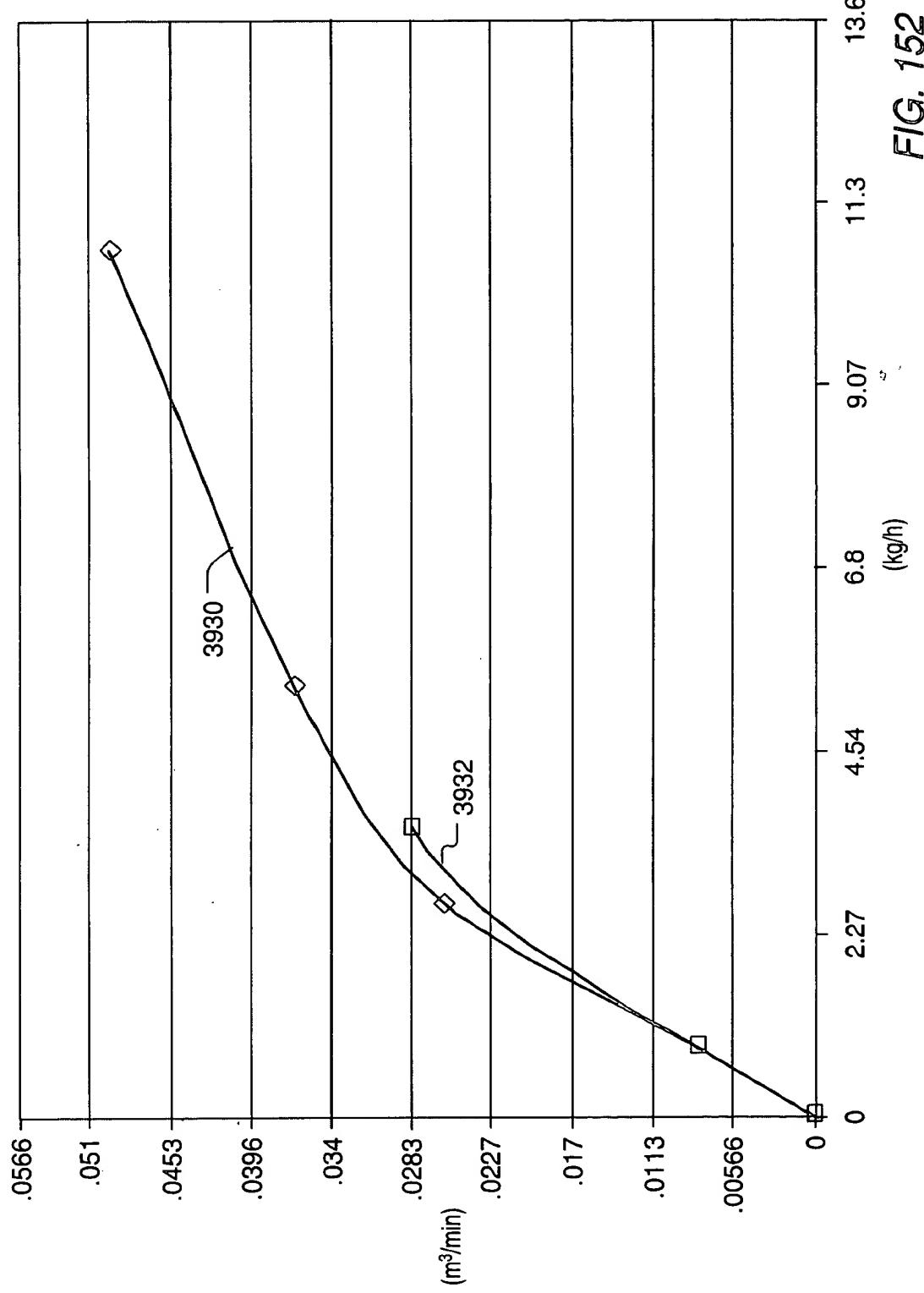


FIG. 152

FIG. 153

Methane Injection Rate (m^3/hr)

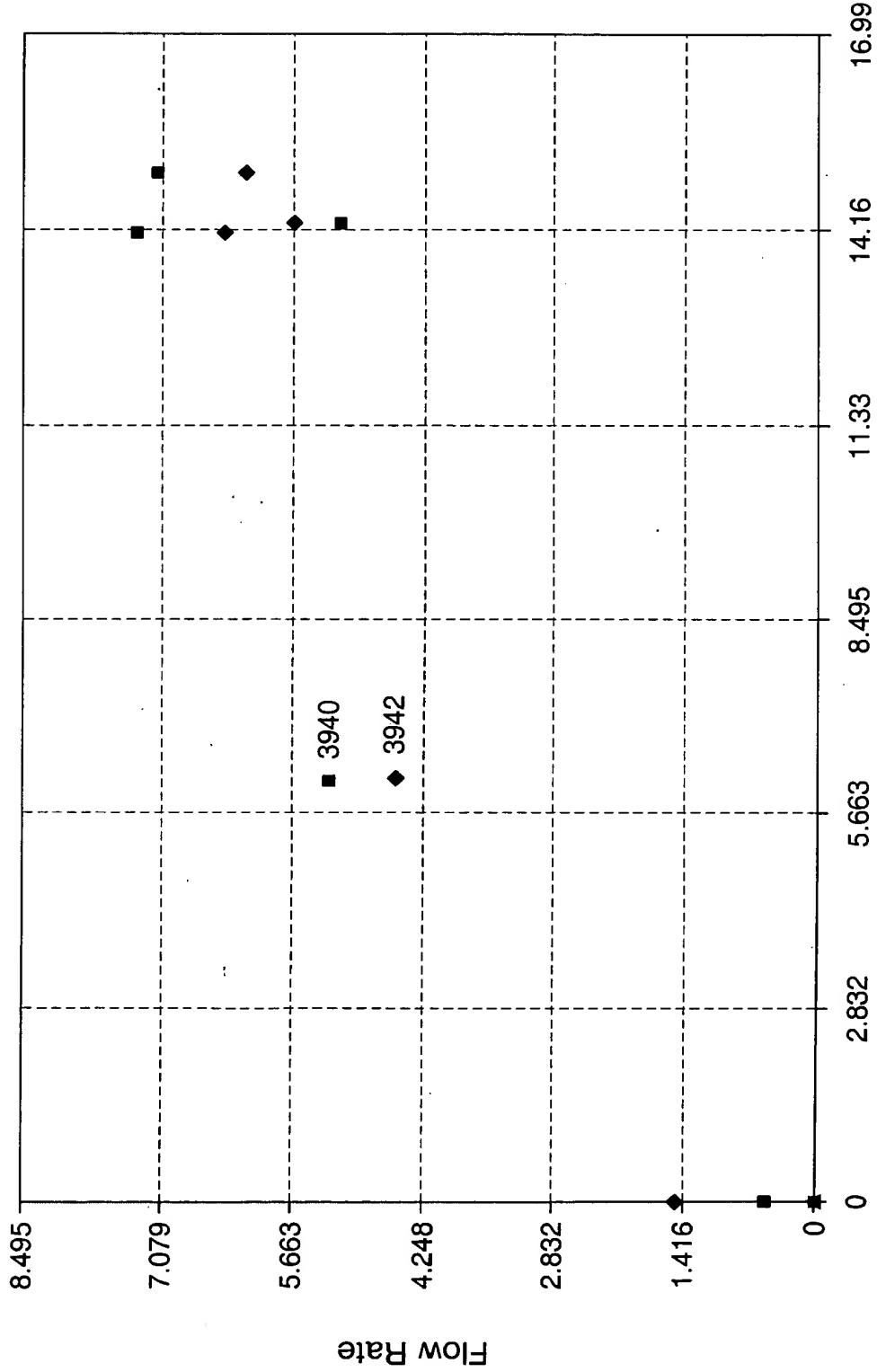
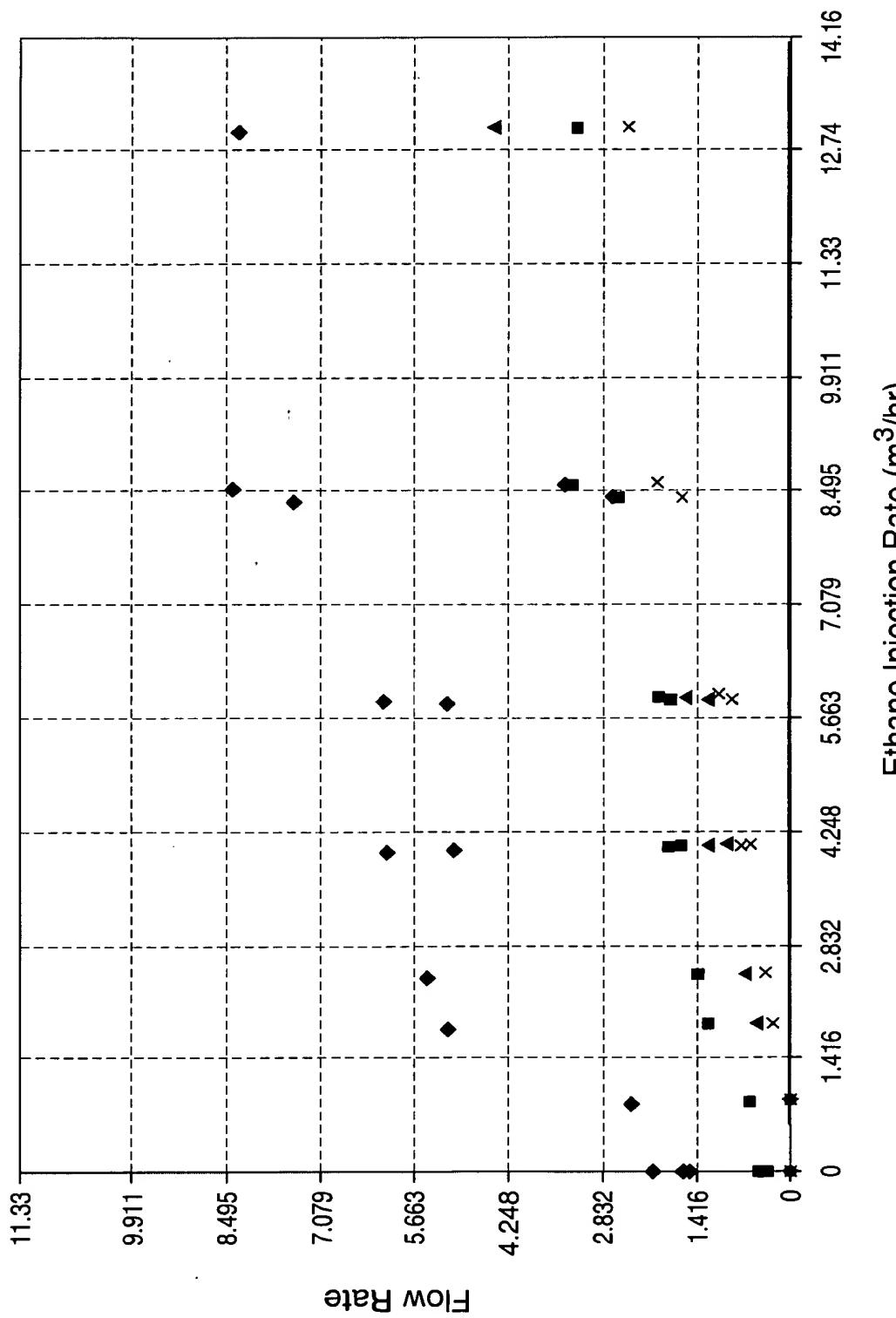
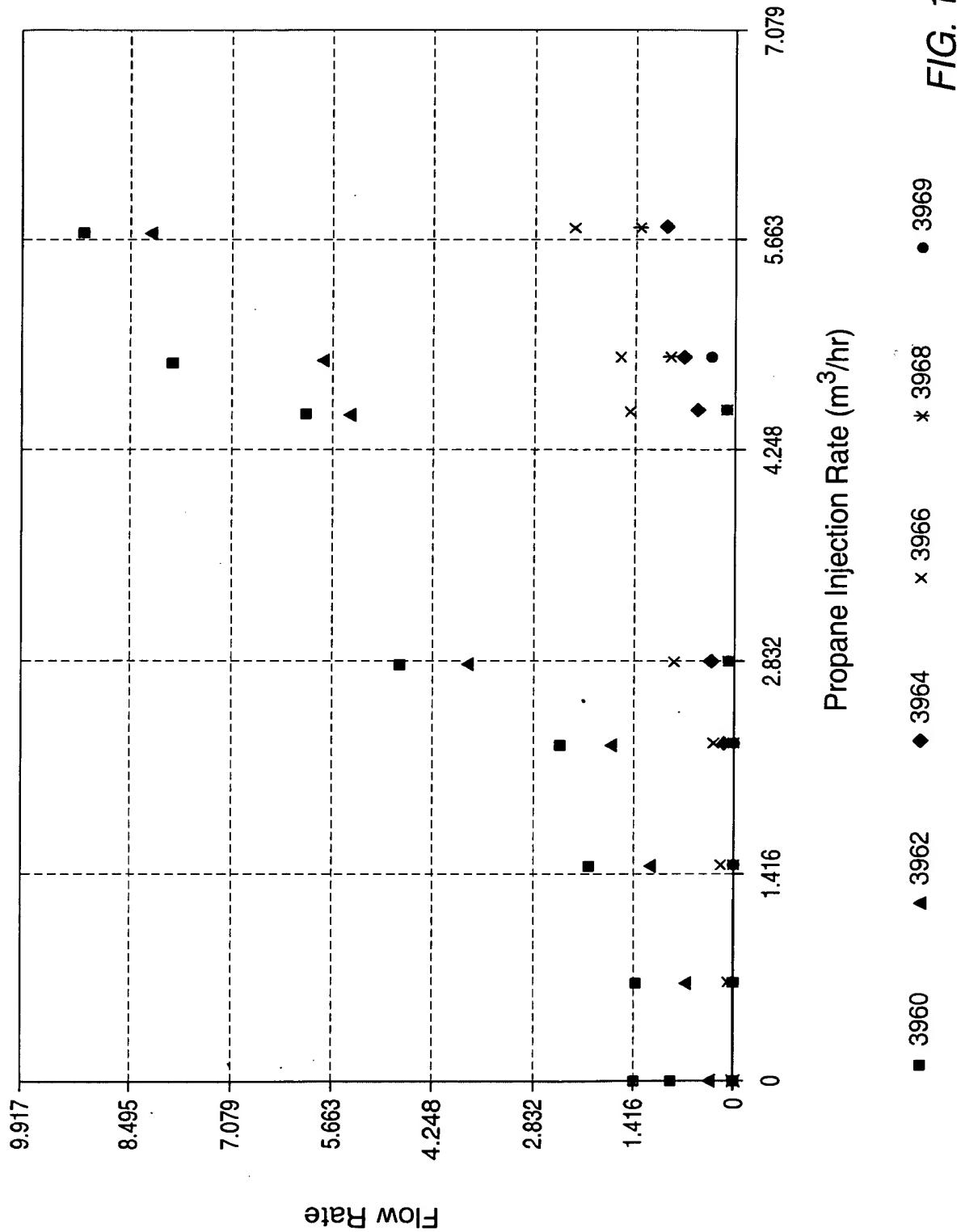


FIG. 154





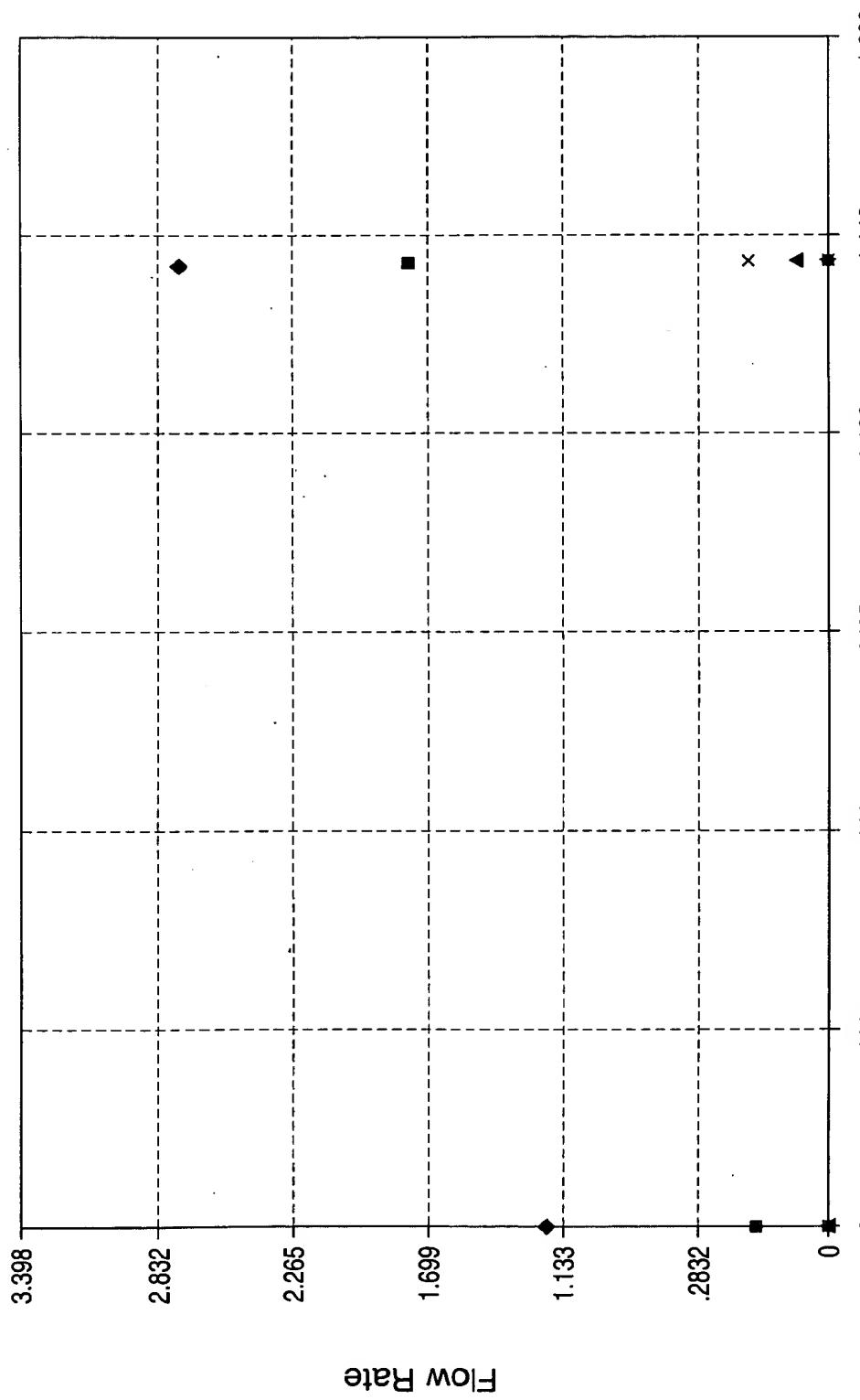


FIG. 156

Butane Injection Rate (m³/hr)

- 3970
- ▲ 3972
- ◆ 3974
- × 3976
- * 3978
- 3979

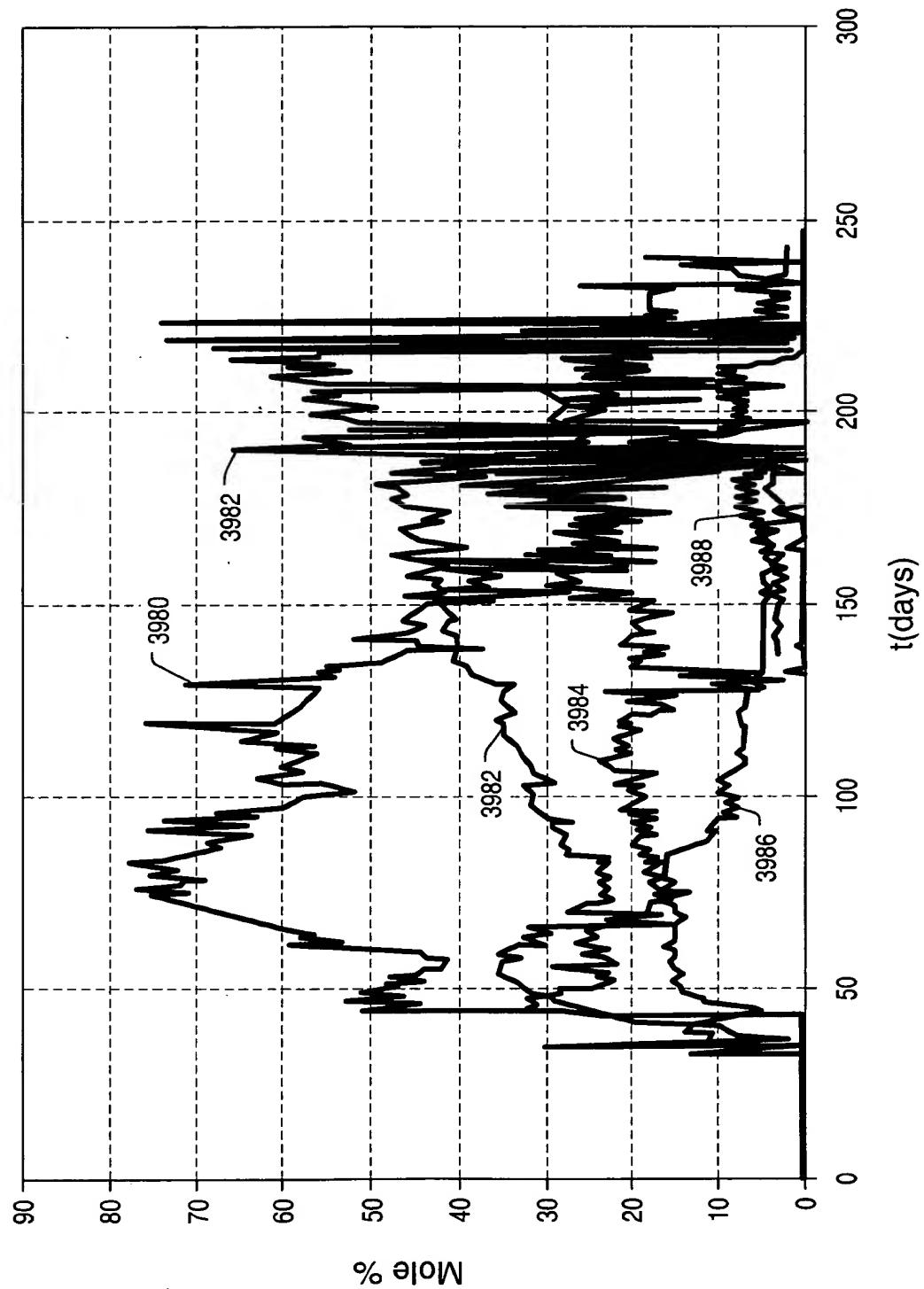
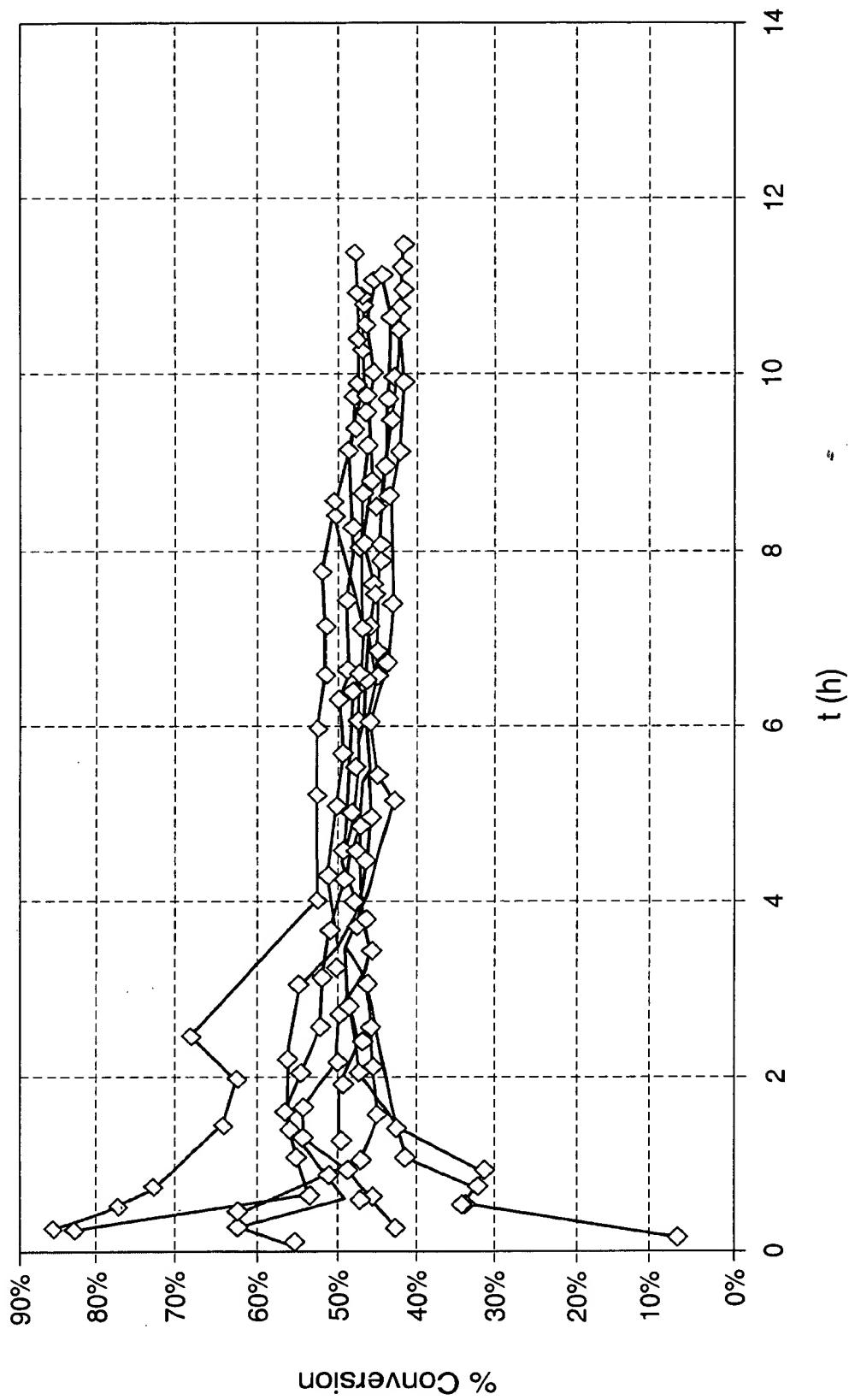


FIG. 157

FIG. 158



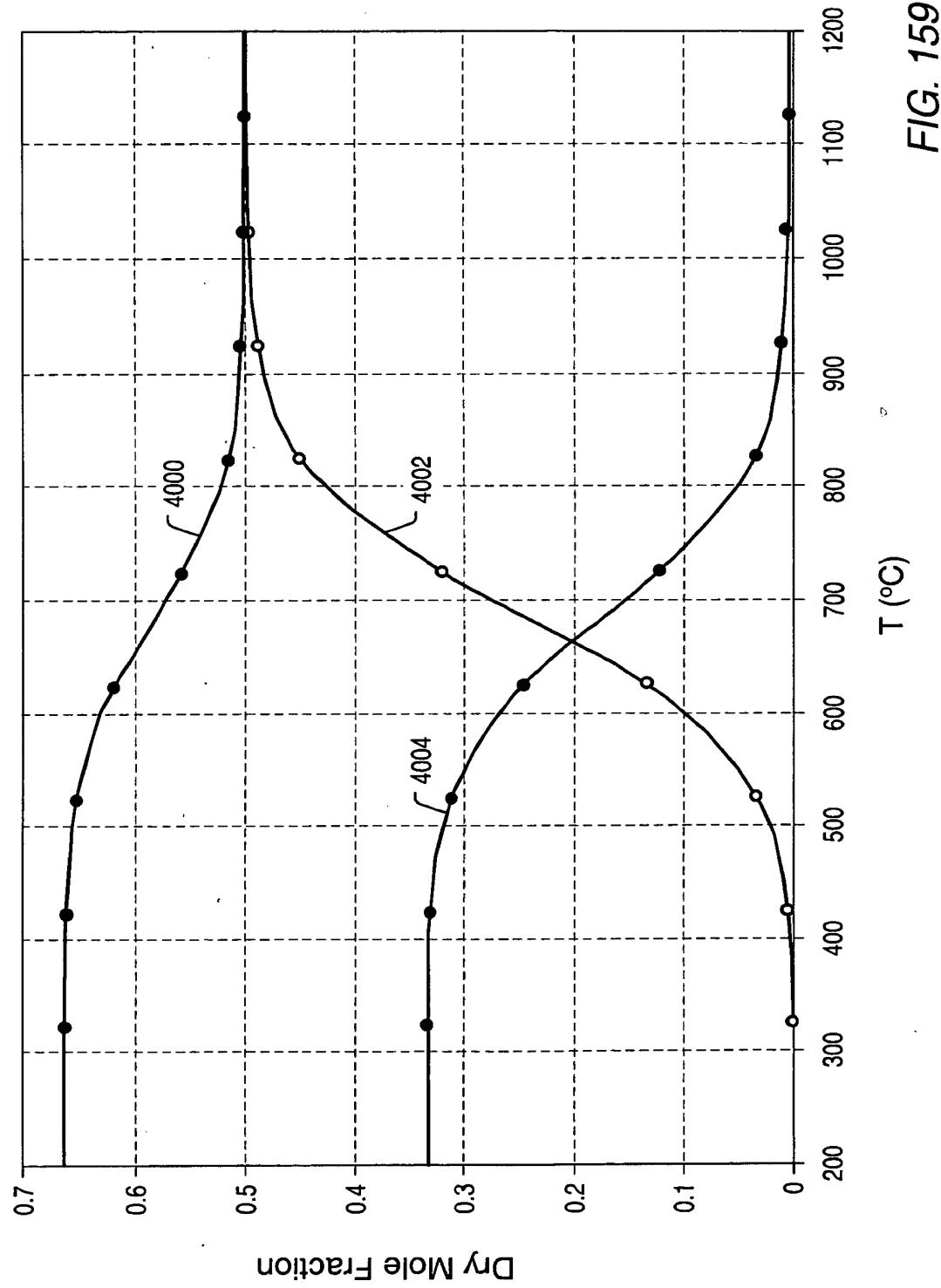


FIG. 159

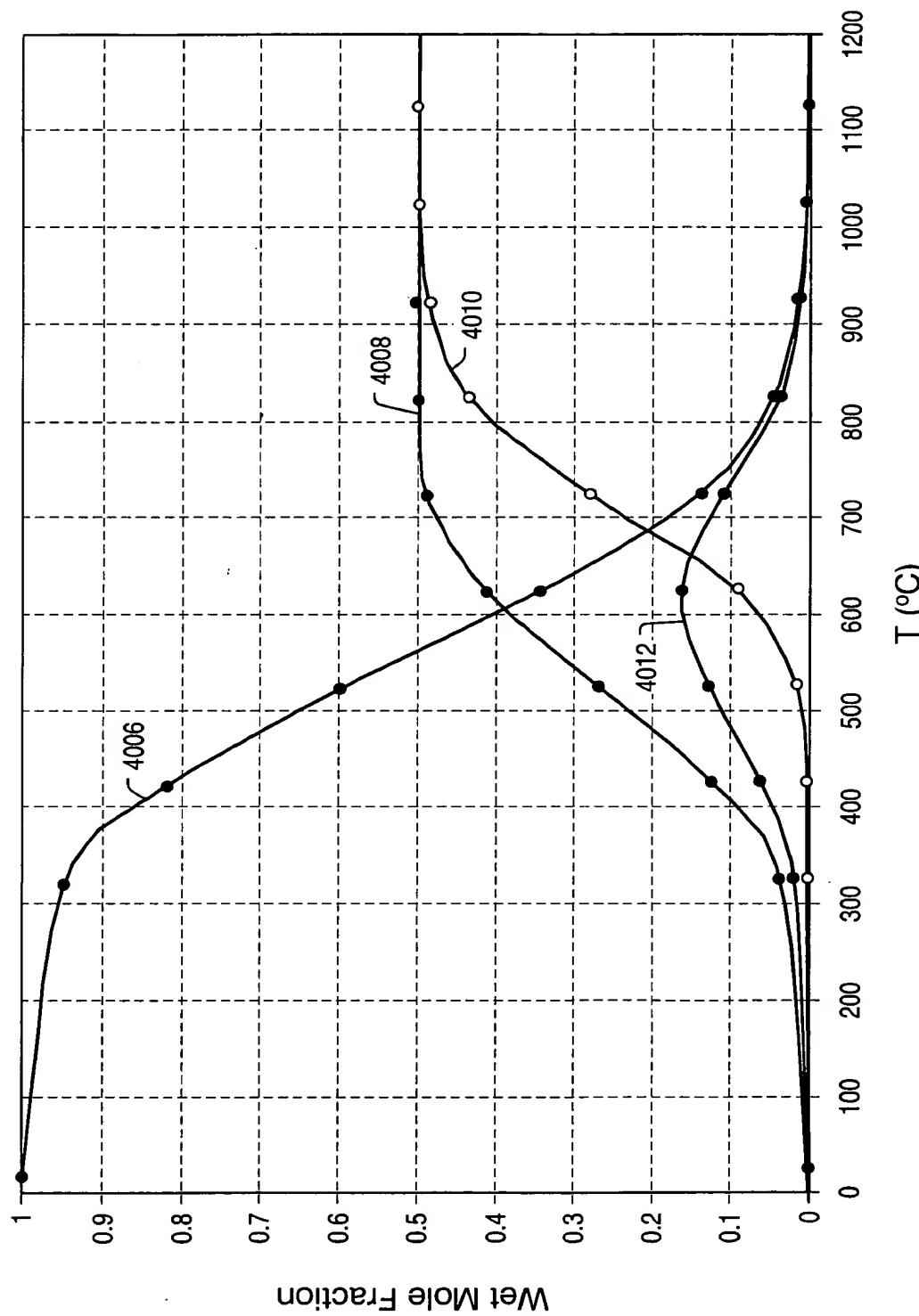


FIG. 160

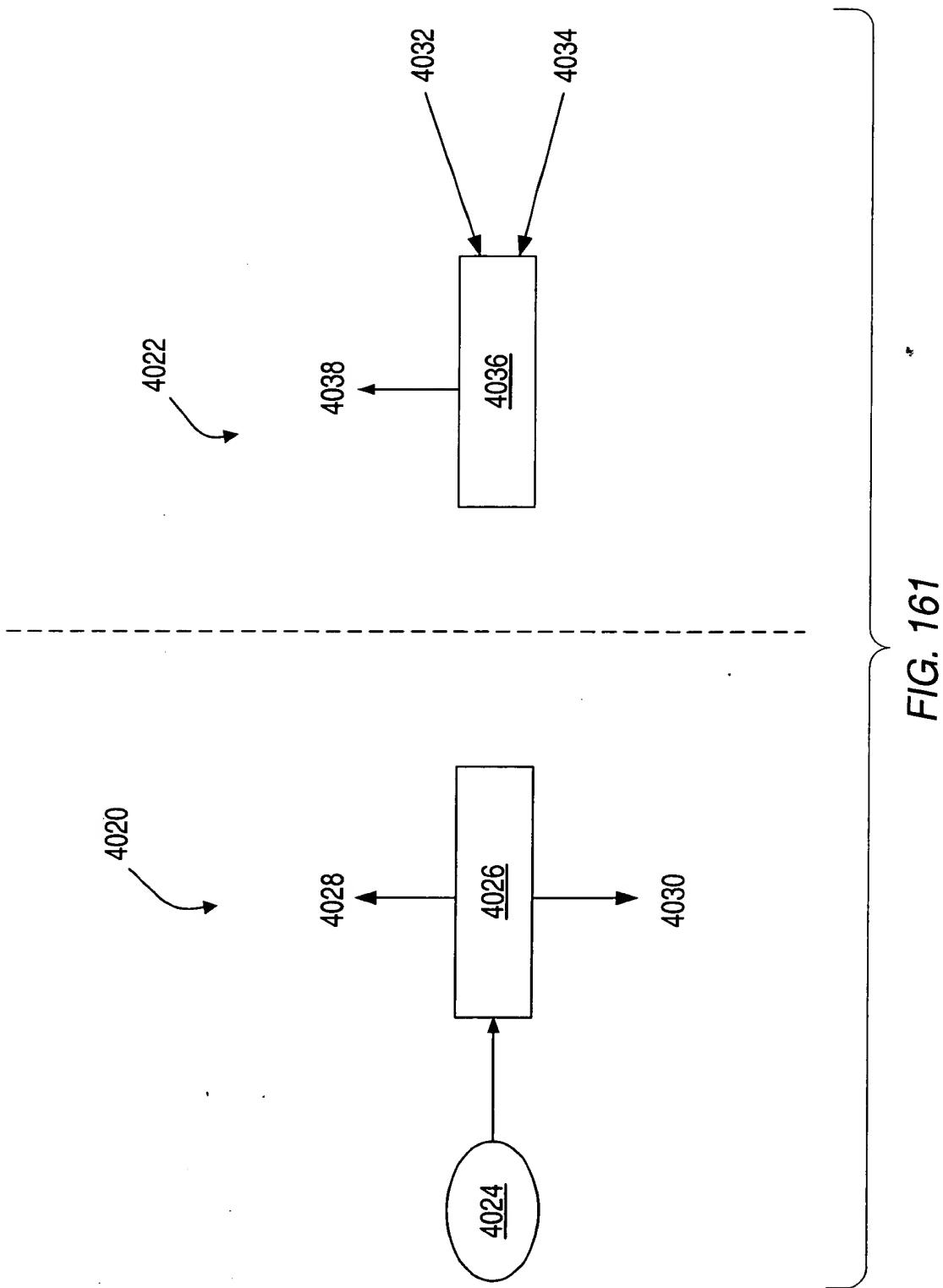


FIG. 161

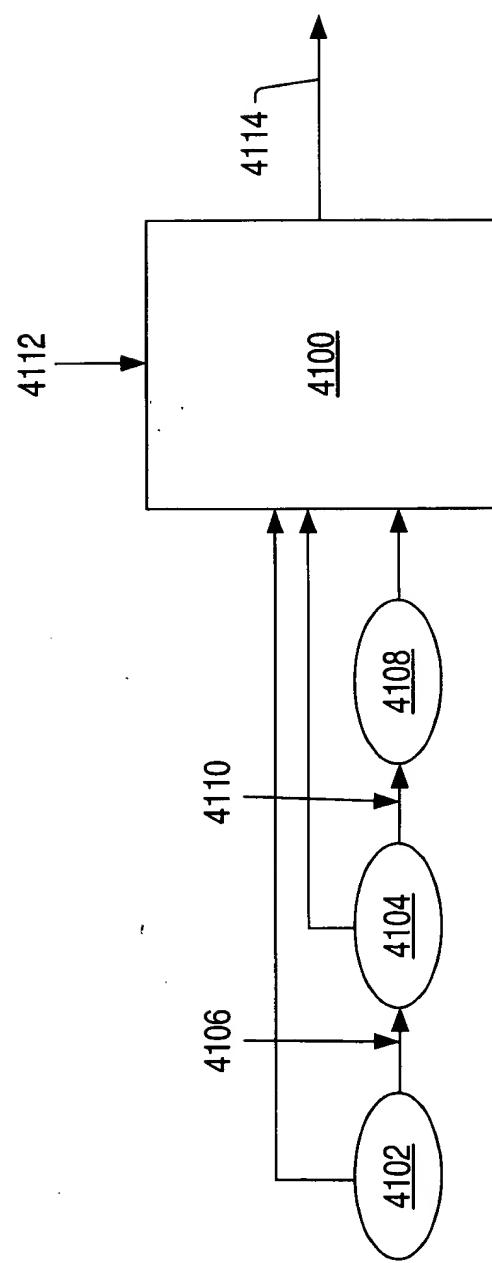


FIG. 162

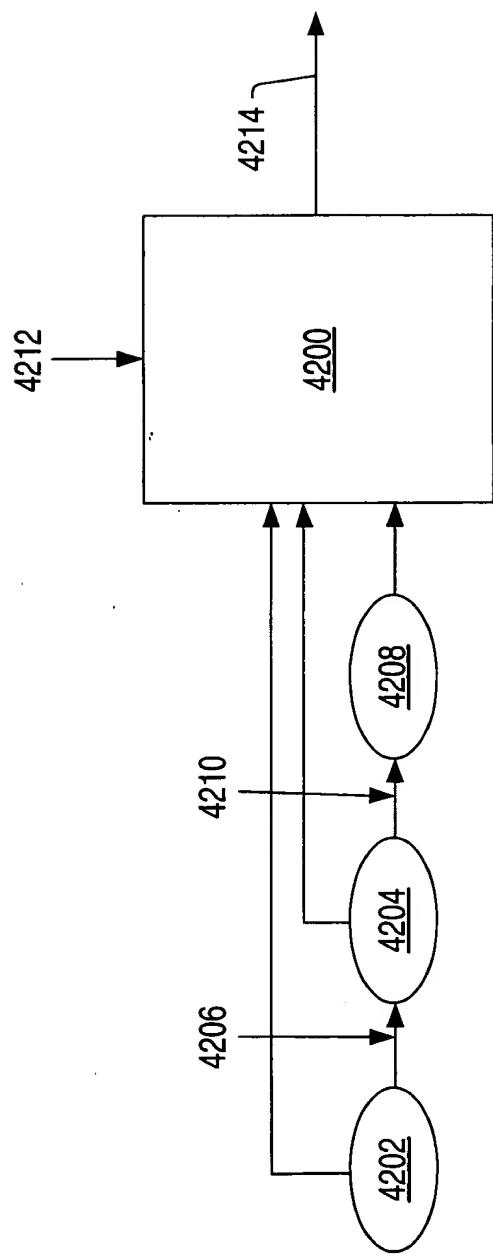


FIG. 163

4308 4306 4310 4312

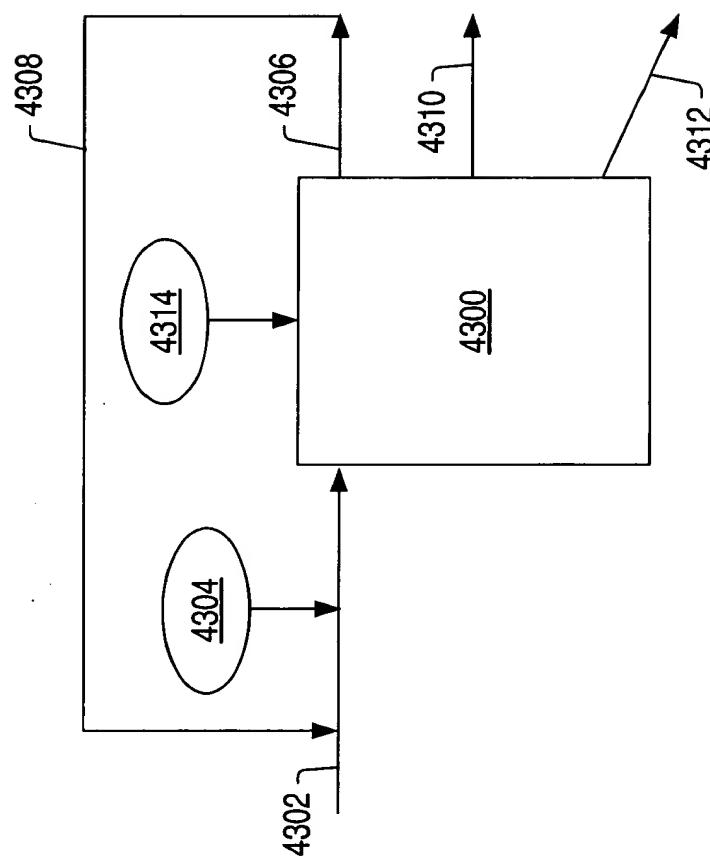


FIG. 164

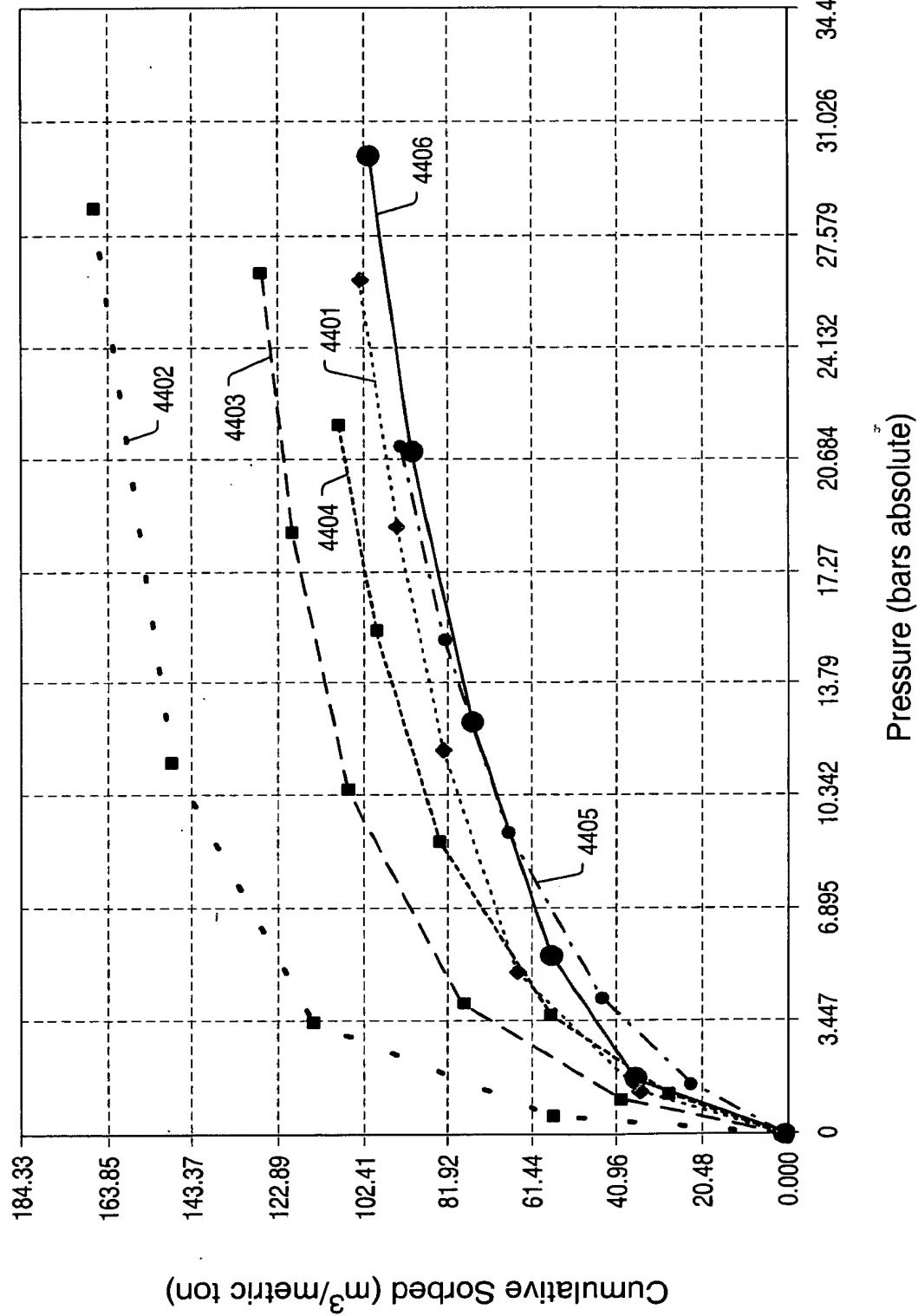


FIG. 165

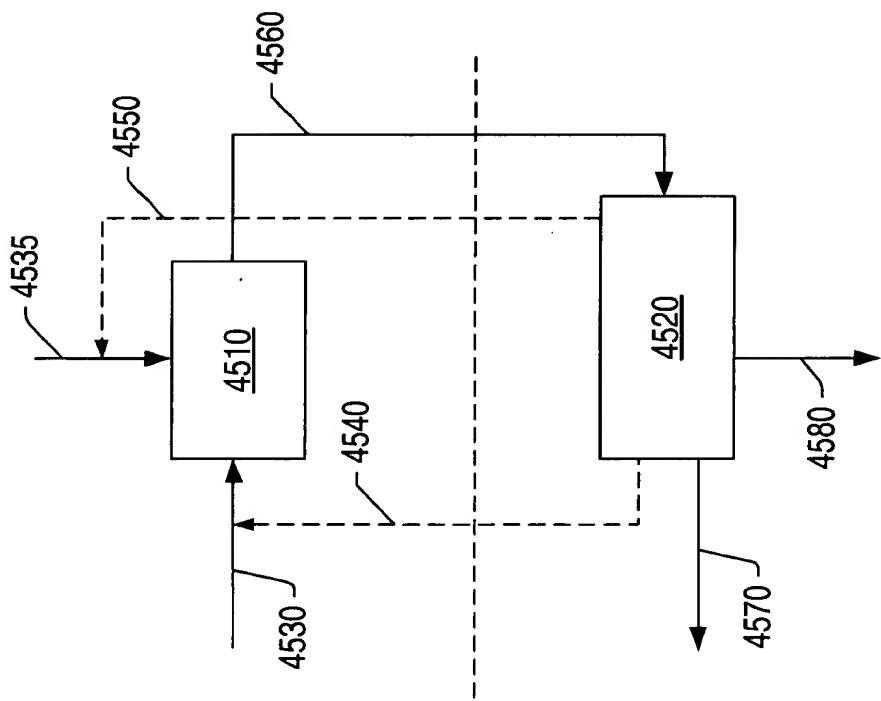


FIG. 166

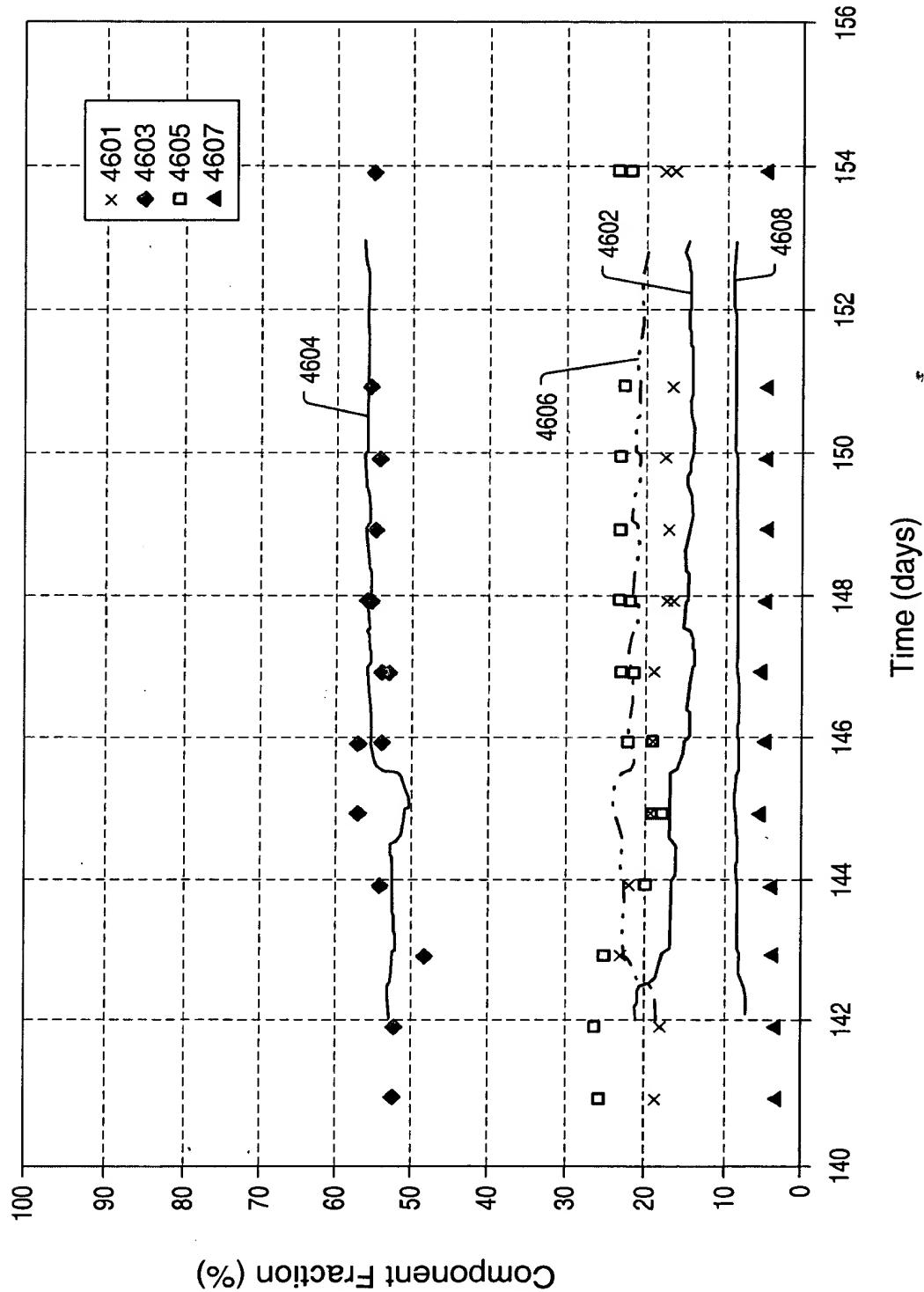


FIG. 167

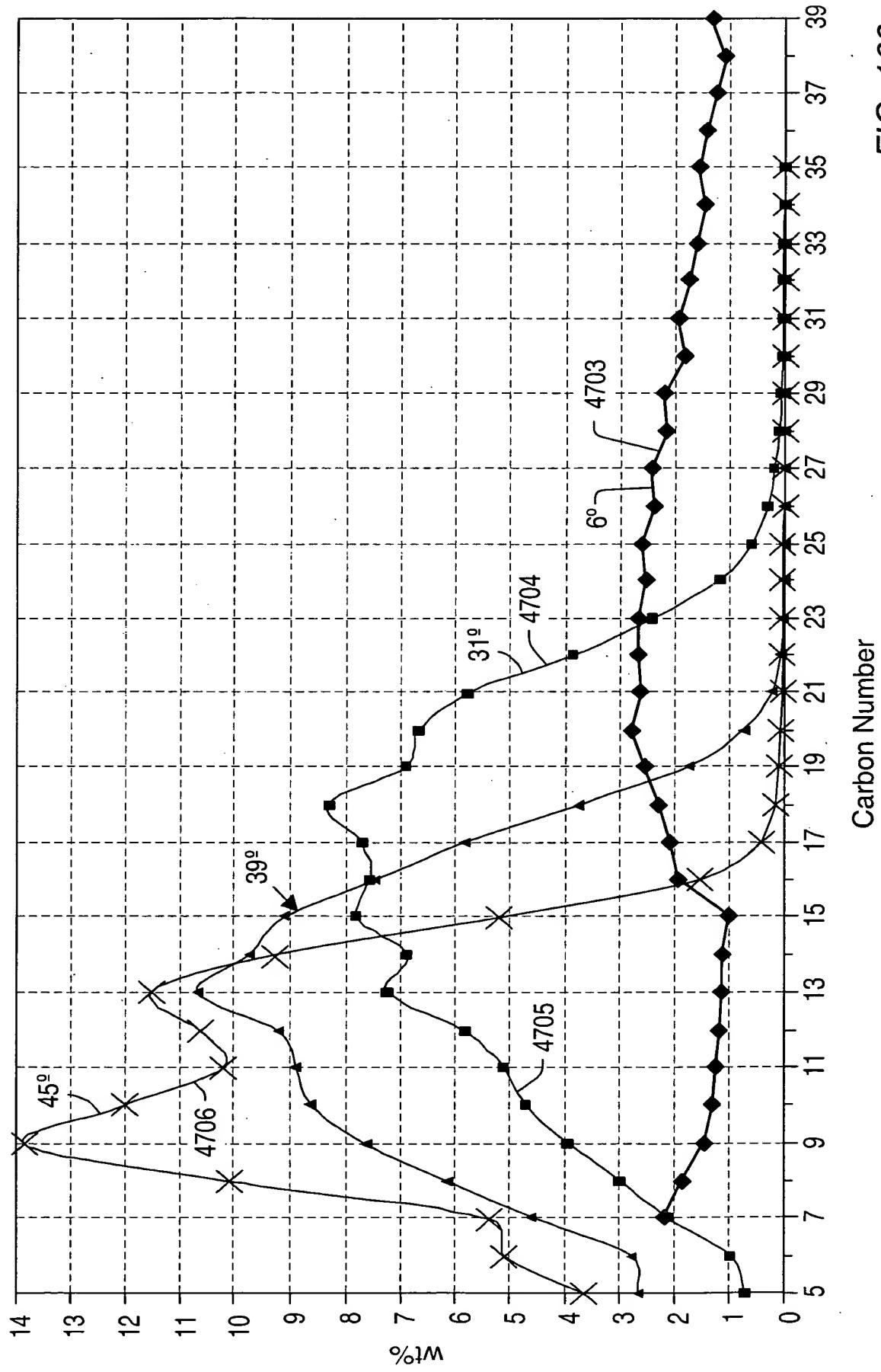


FIG. 168

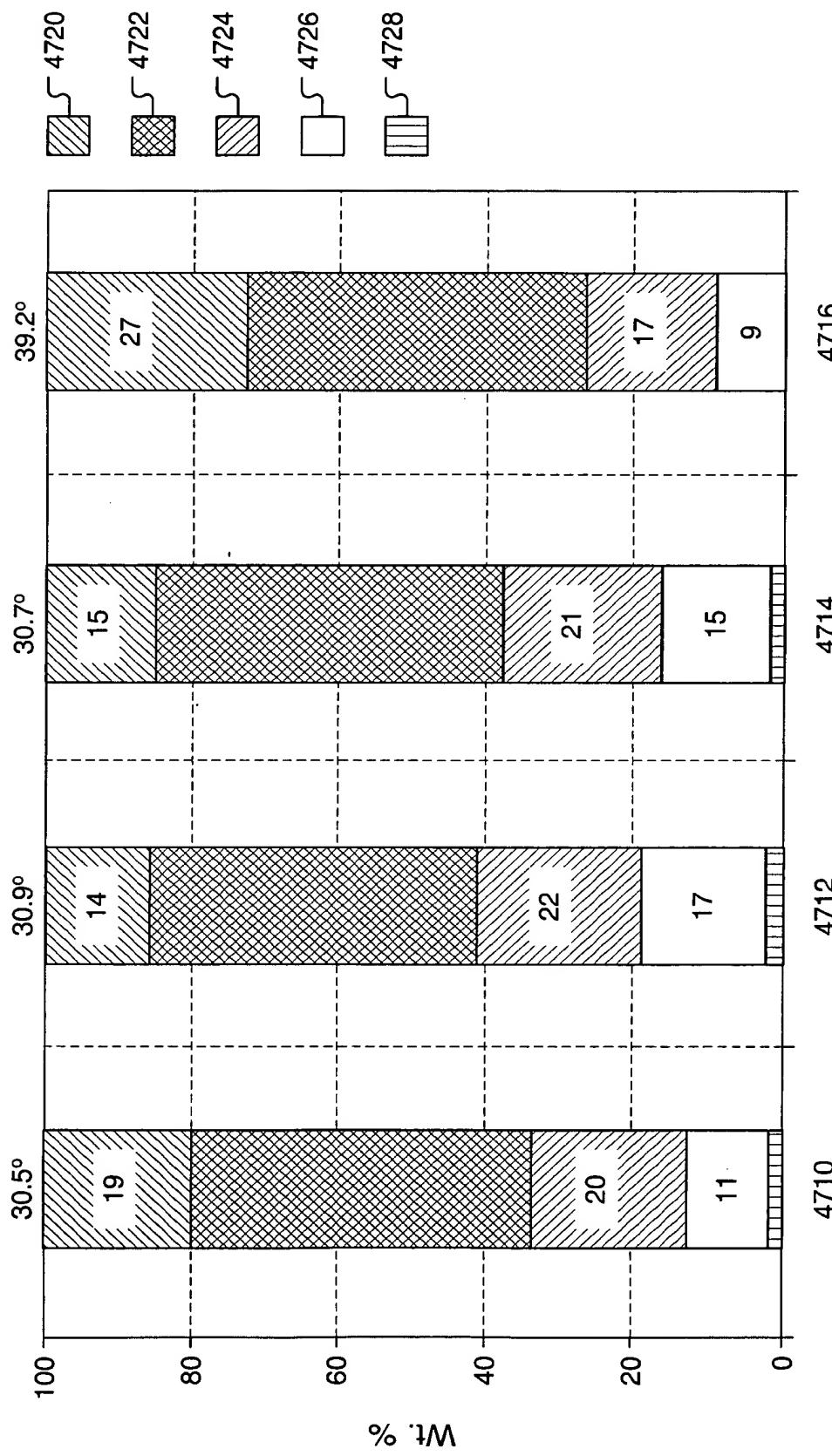


FIG. 169

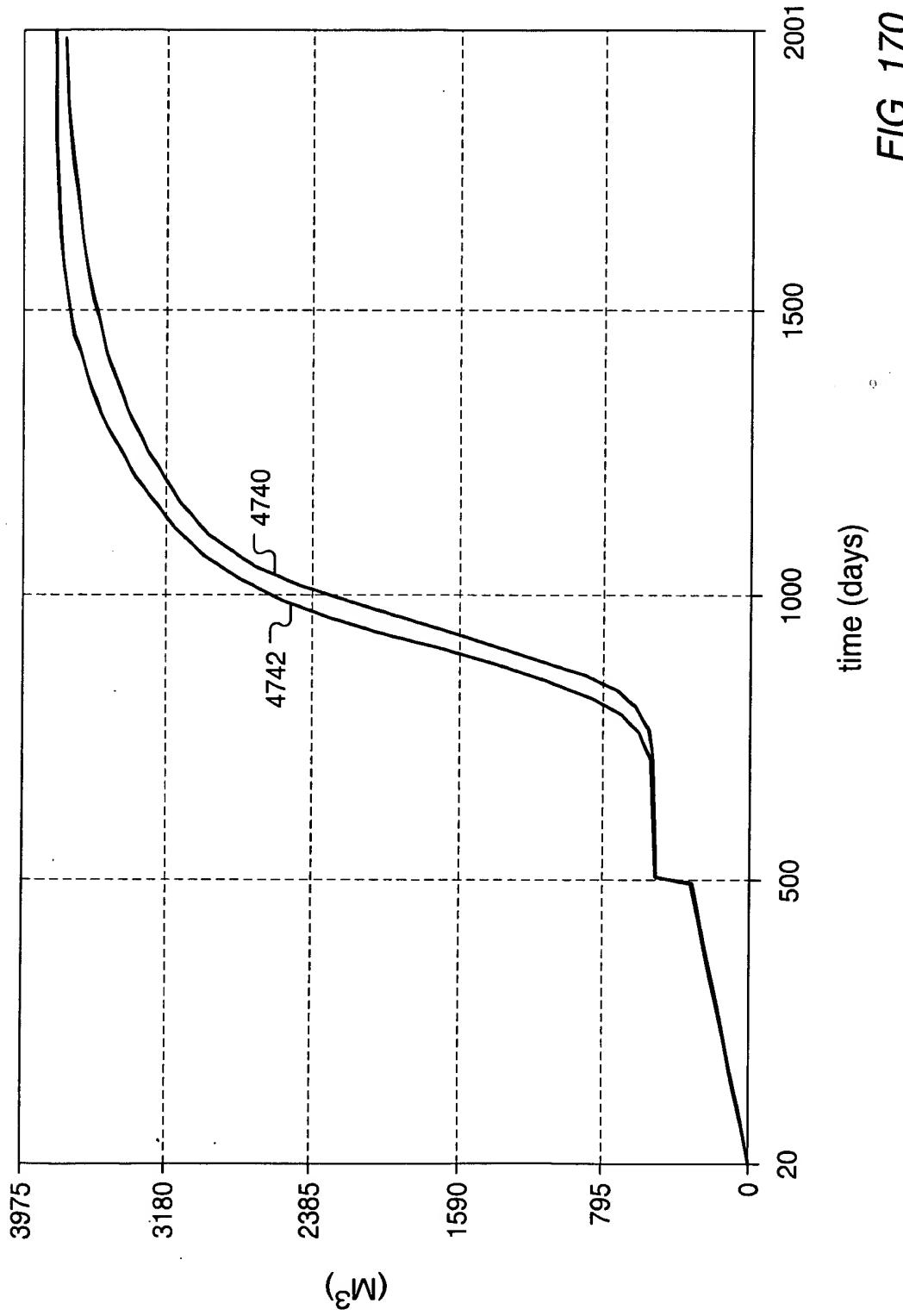


FIG. 170

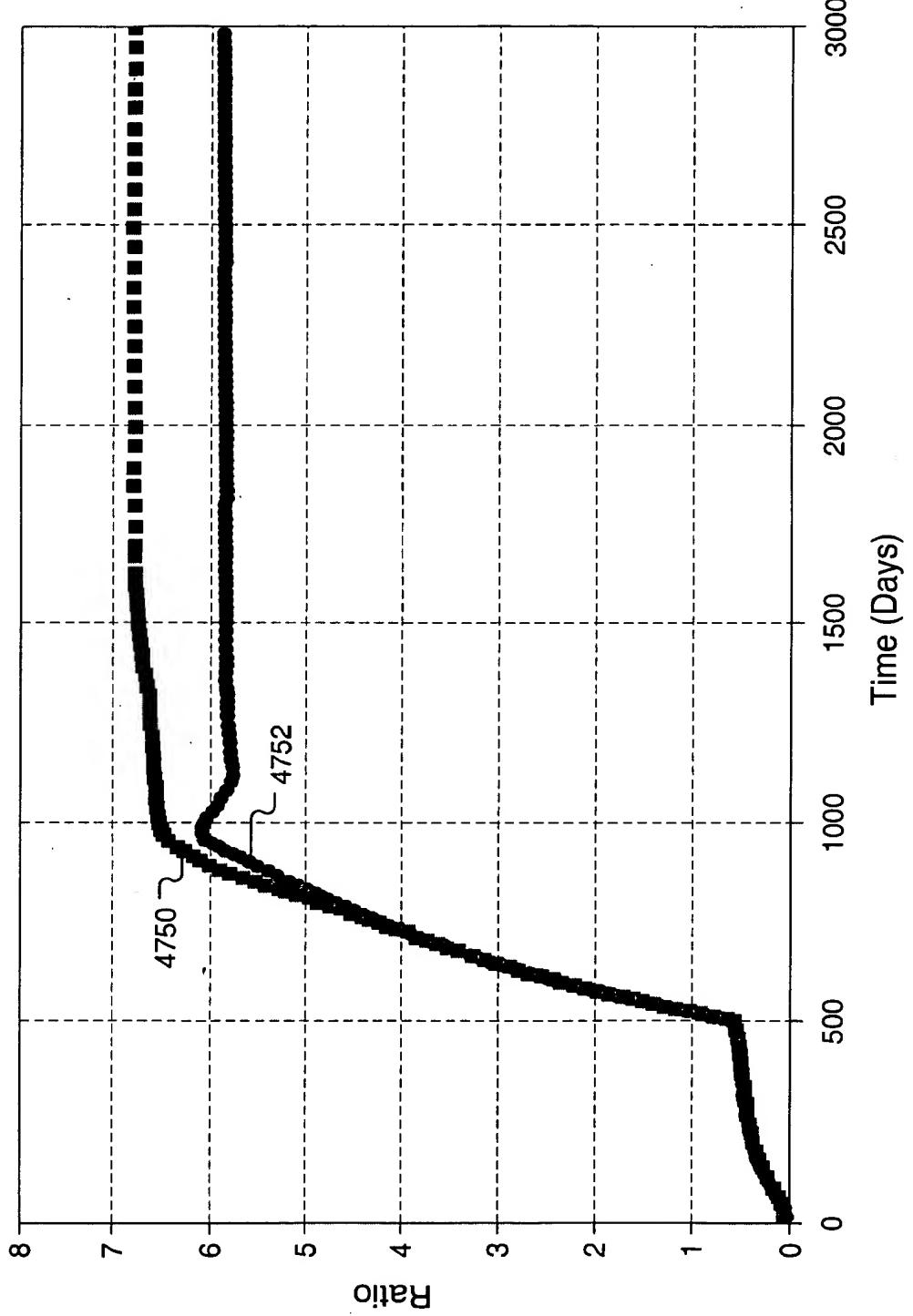
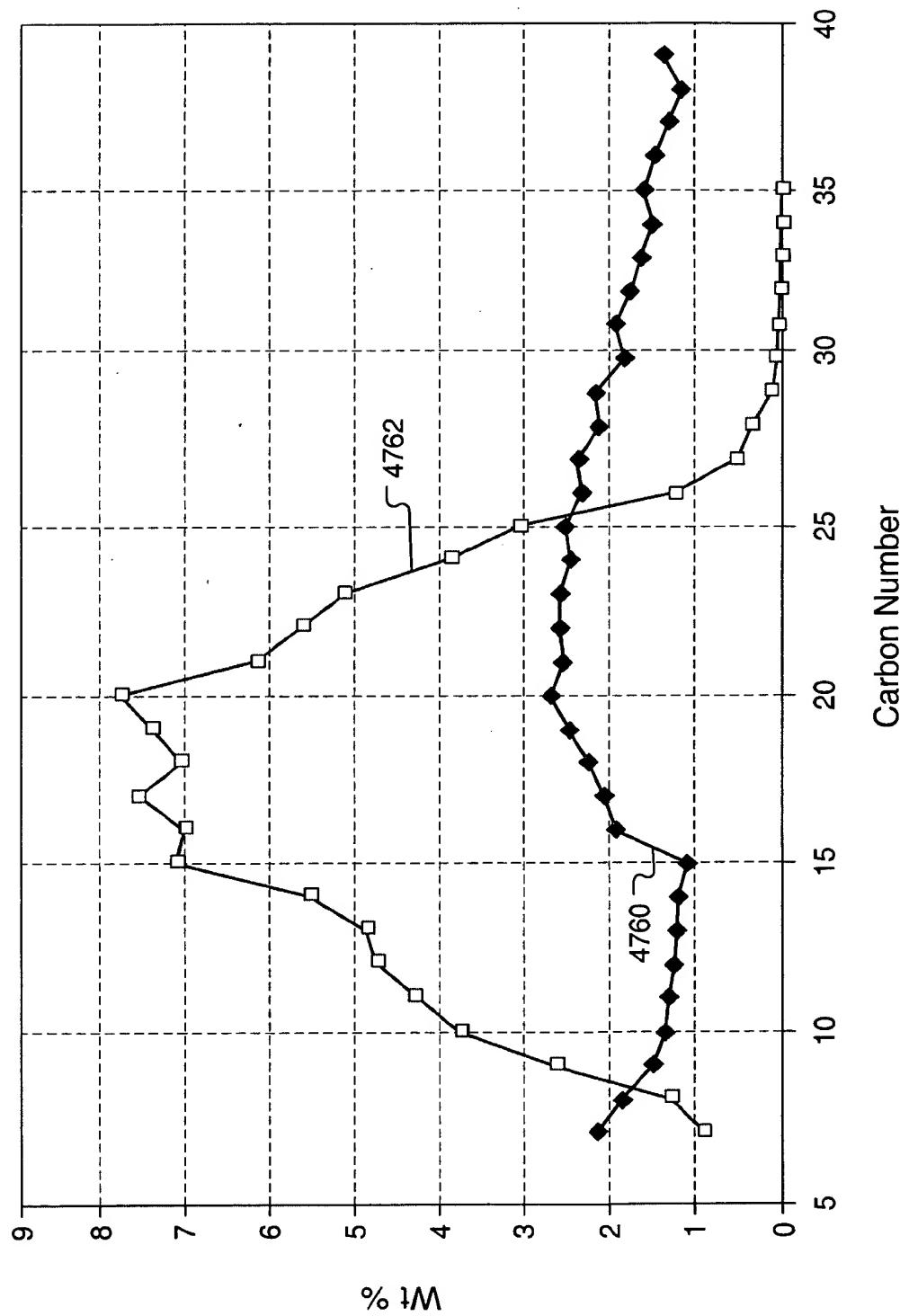


FIG. 171

FIG. 172



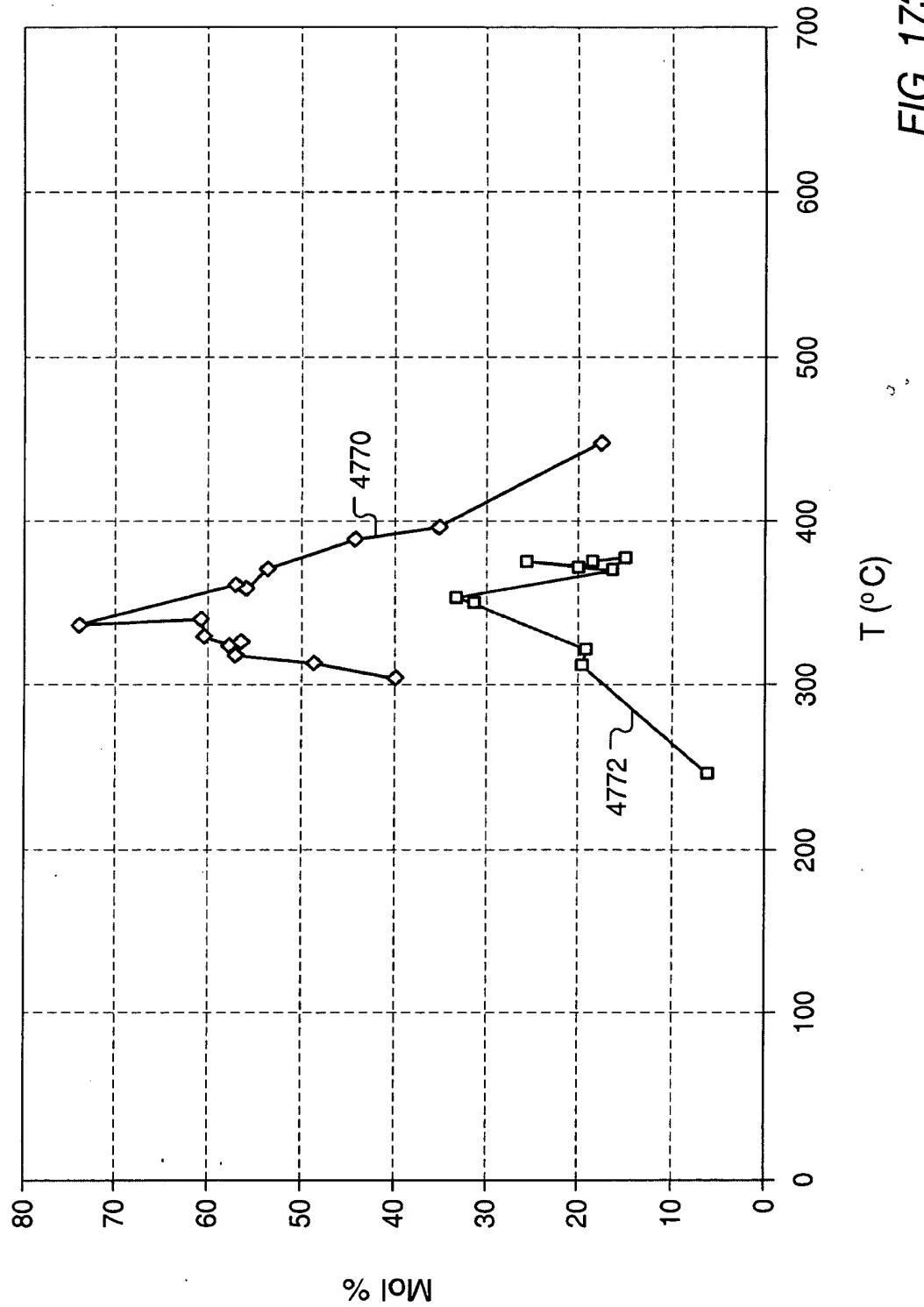


FIG. 173

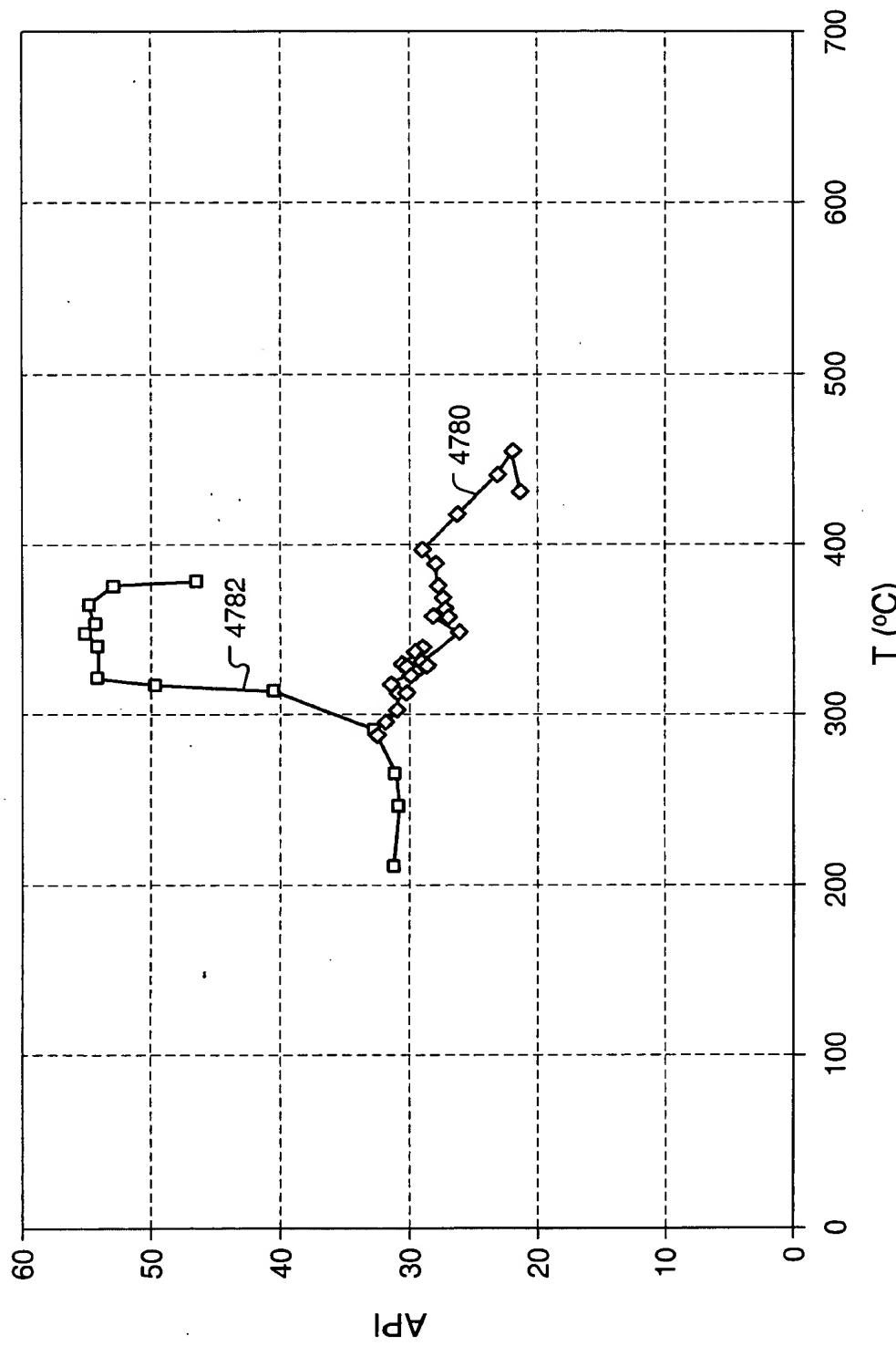


FIG. 174

FIG. 175

Days From Start of Heat Injection

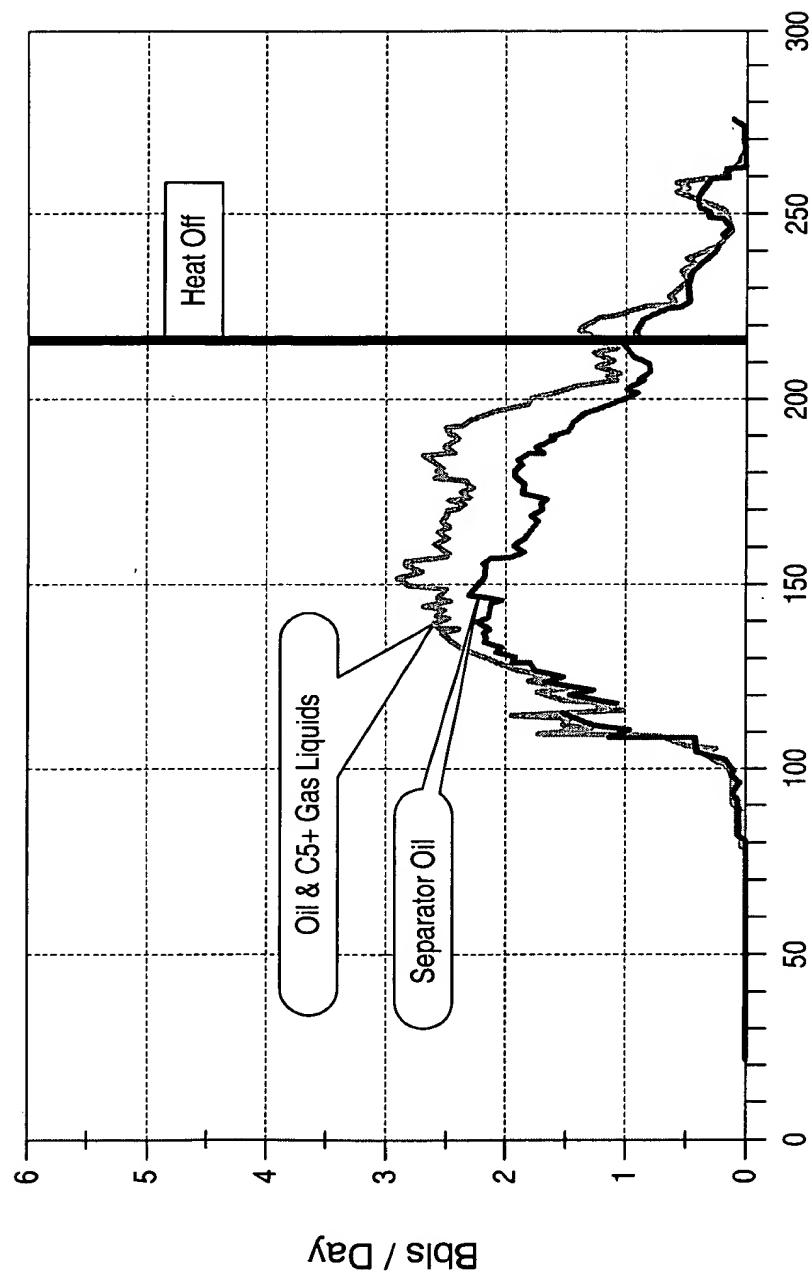
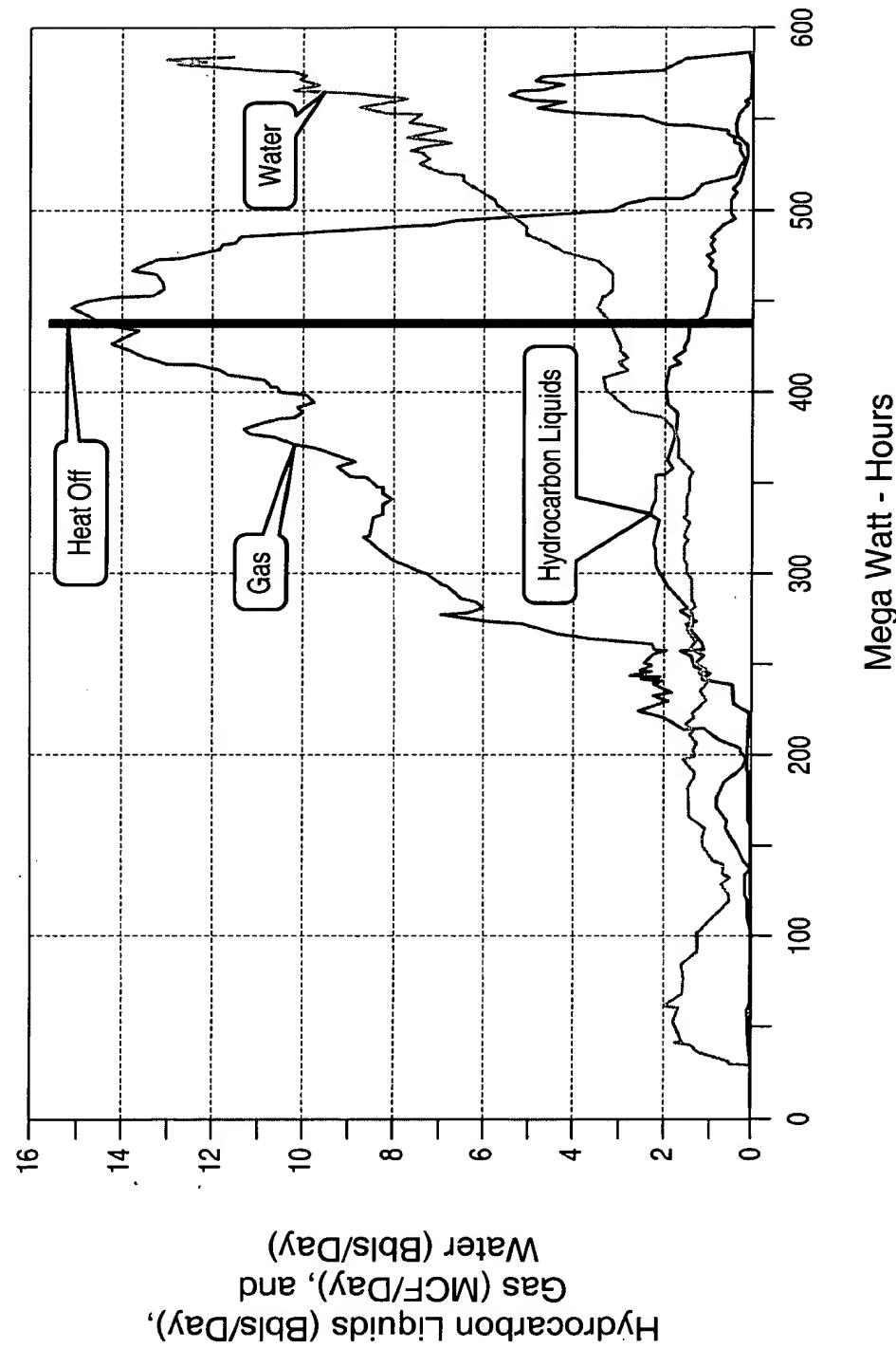


FIG. 176



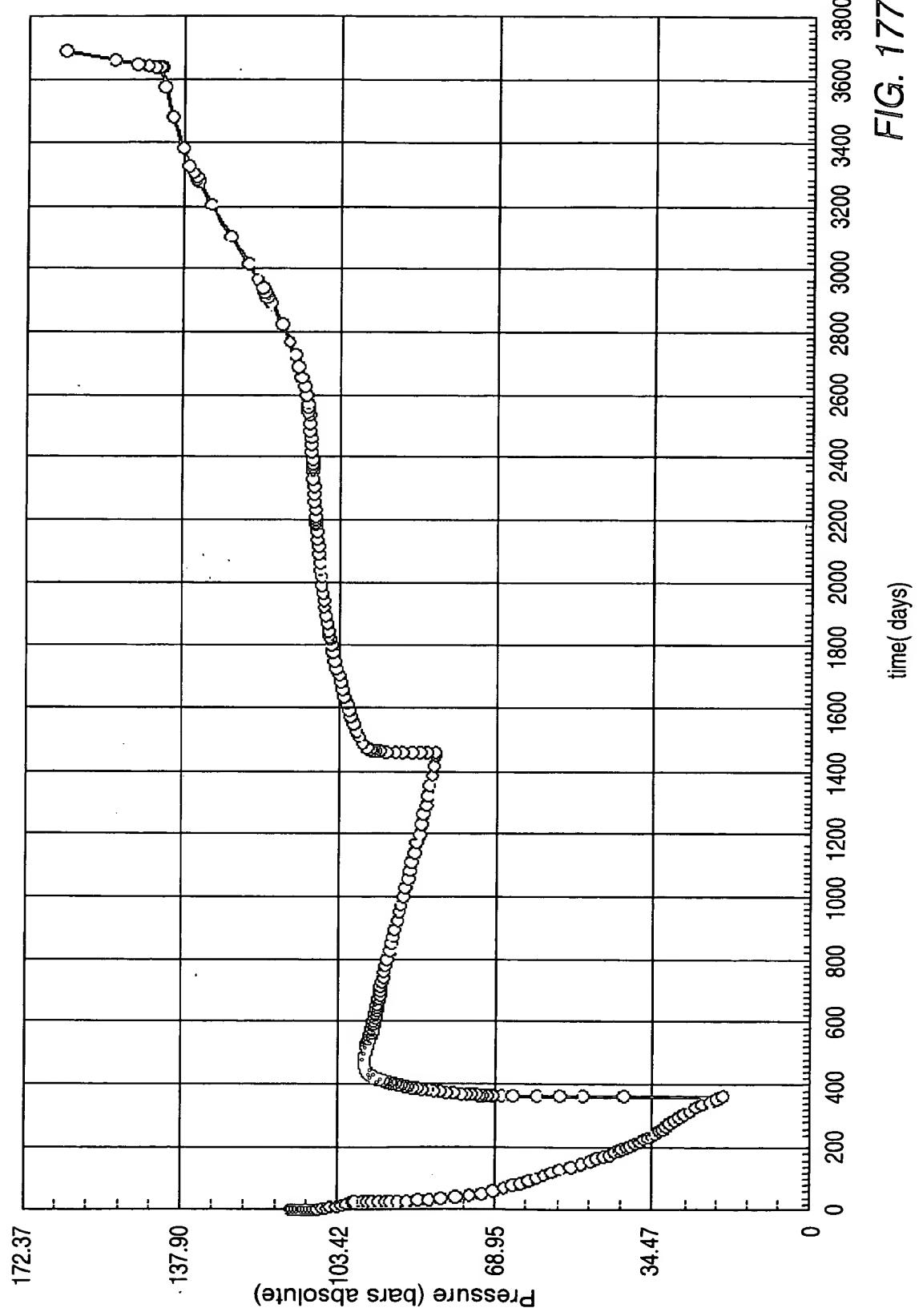
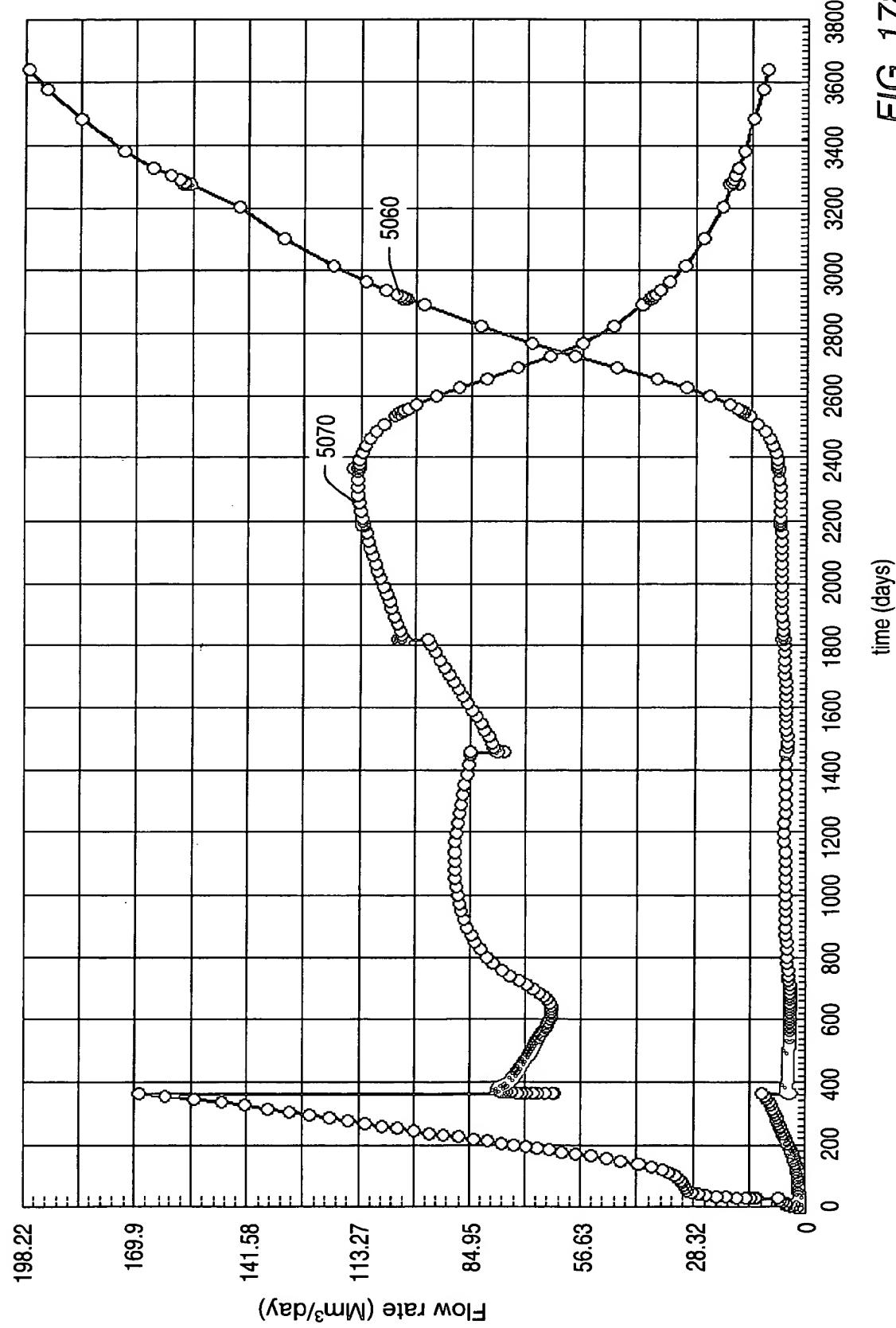


FIG. 177

F/G. 178



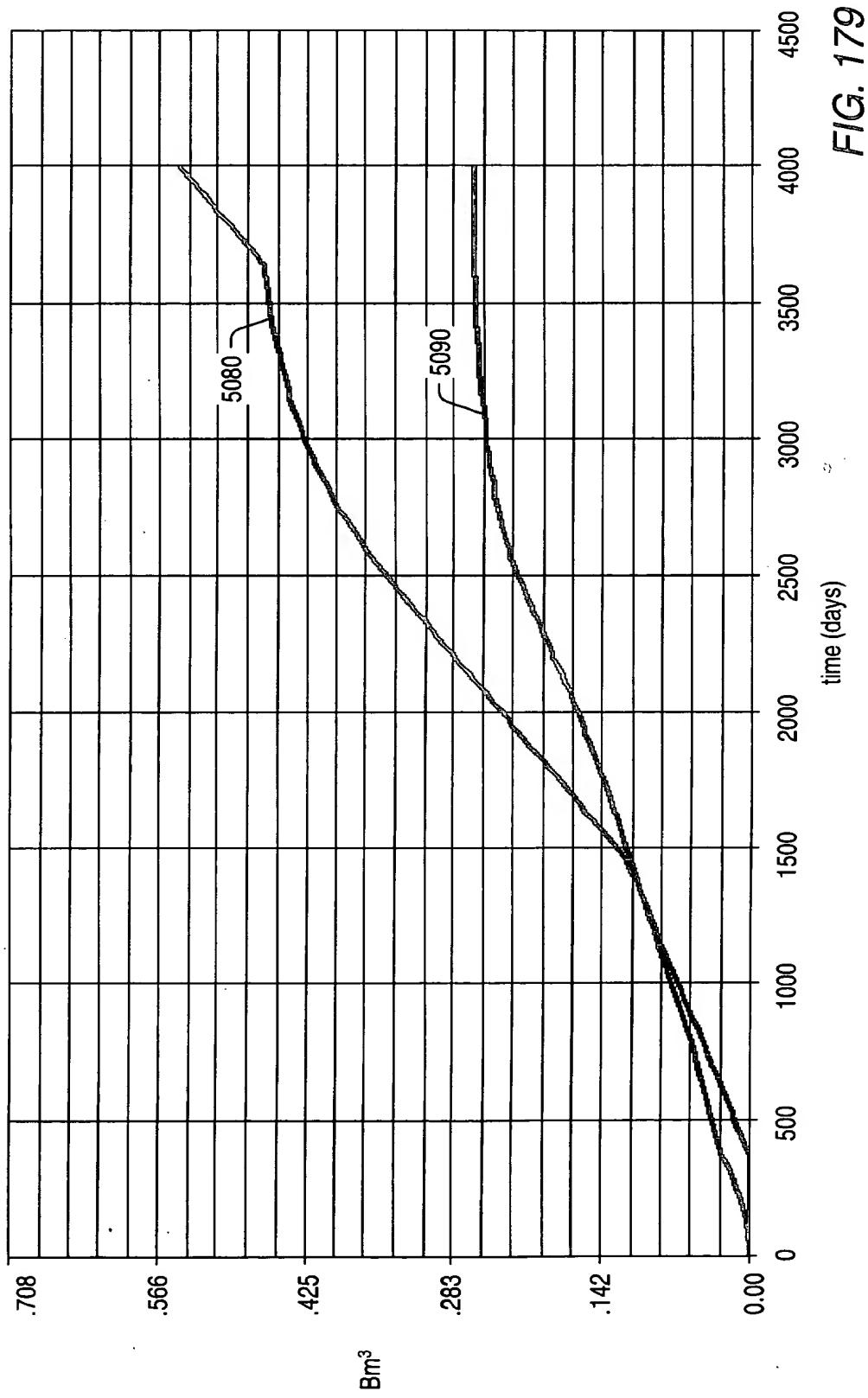
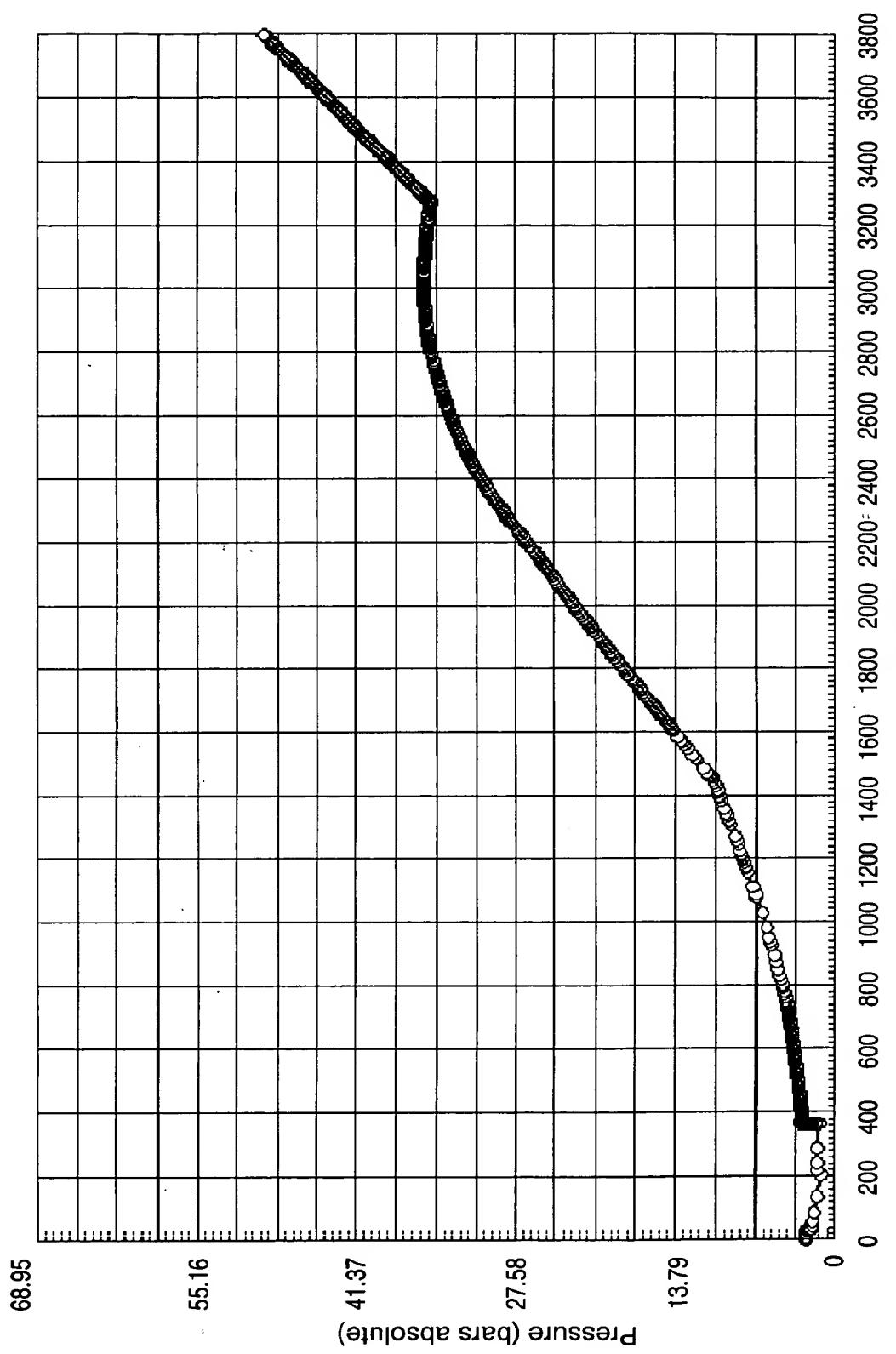


FIG. 179

FIG. 180



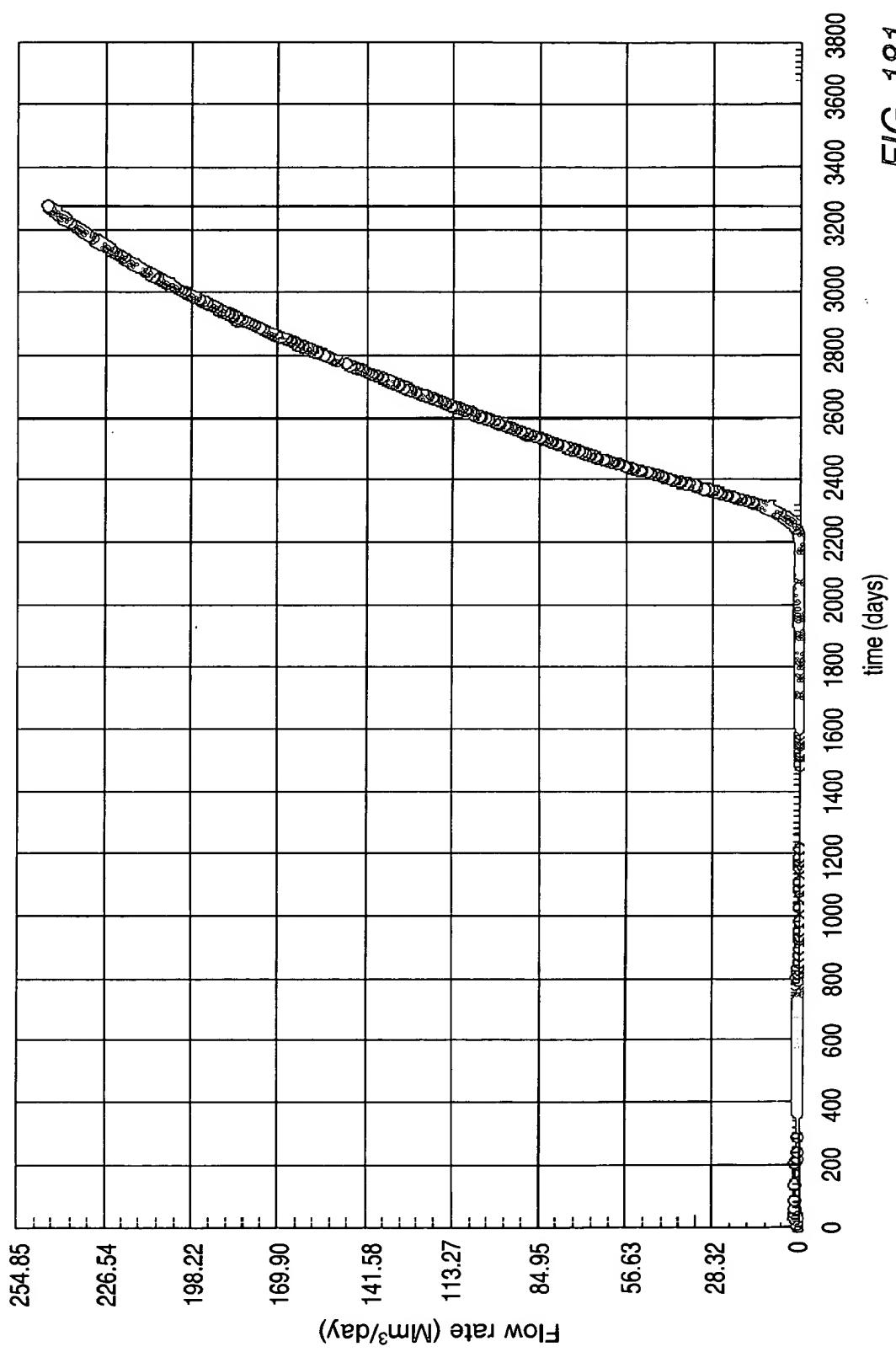


FIG. 181

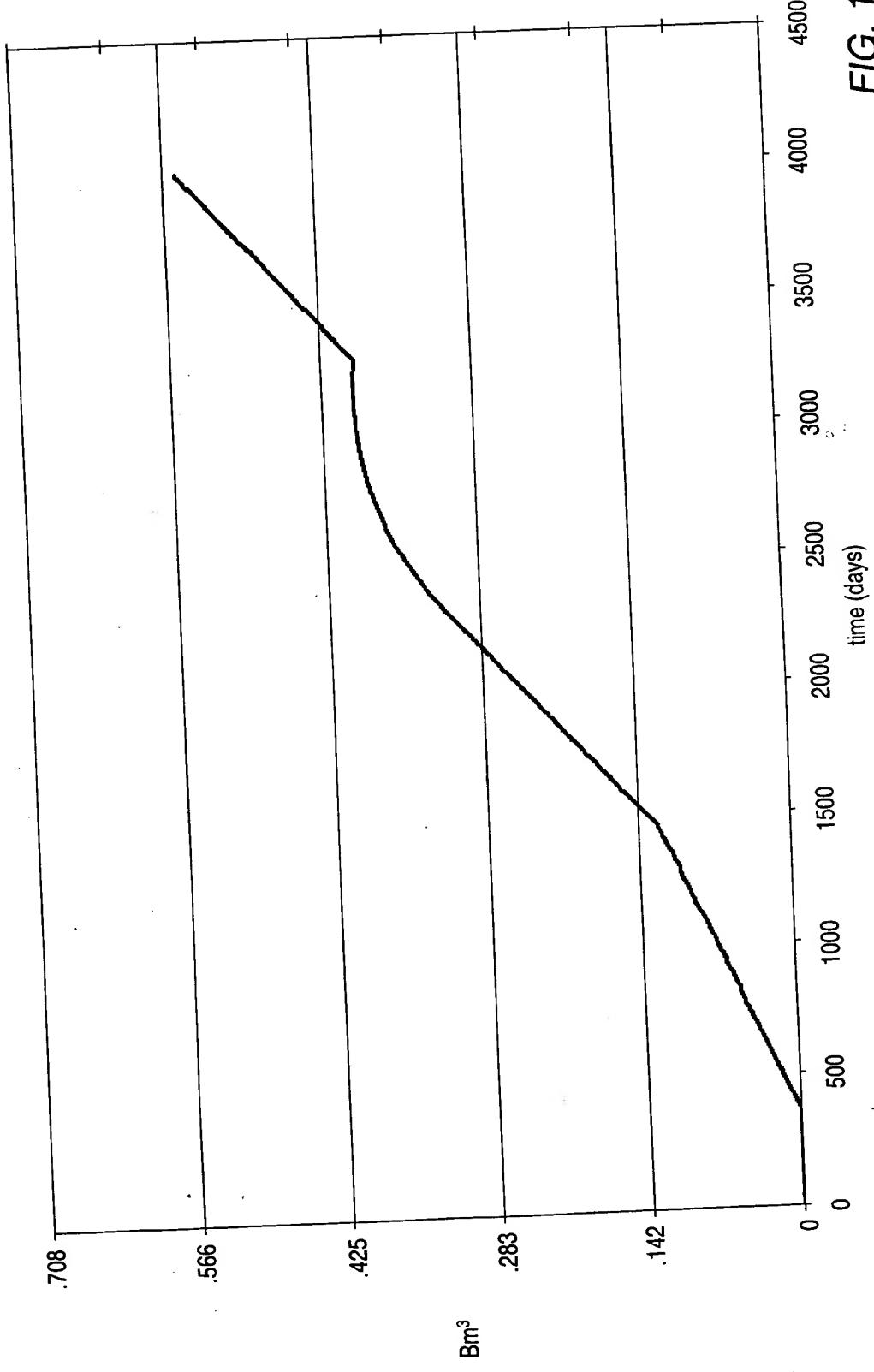


FIG. 182